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SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOSH)  
DALLAS TEXAS(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT  
ASHEVILLE NC AUG 84

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AD-A150 599

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INVENTORY

SMOS, Dallas, TX

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# SMOS

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 599

STATION: #93901 Dallas, TX

PERIOD: HOURLY 1/73-12/82  
DAILY 3/45-12/82

JOB NO. 72006

DATE August 1984

PREPARED BY  
NAVAL OCEANOGRAPHY  
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ASHEVILLE, N.C. 28801

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COMMAND  
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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S/N 0102-LF-014-6601

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO OR SUMMARY 93901	STATION NAME Dallas, Texas	LATITUDE 32°44'N	LONGITUDE 96°58'W	STATION ELEV (FT) 495	CALL SIGN KNBE	WMO NUMBER
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### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BAND LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office	USN	1949	1957	32°44'N	96°58'W	469	Tonnelot	Var
2.	" " "	"	1957	1967	"	"	"	"	24
3.	" " "	"	1967	1969	"	"	"	"	24
4.	Removed November 1969								
1a.	Weather service office	"	1961	1967	"	"	474	Aneroid	24
1b.	" " "	"	1967		"	"	"	"	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed	Atop building 20	Unknown	Unknown	75'	1. Barograph (ML-3) 2. Auto Met station (AN/GMQ-29) 3. Cloud height set (AN/GMQ-13) 4. Transmissometer (AN/GMQ-10C) 5. Ceiling light (ML-121)
2.	1961	1600 feet northwest of weather service office, adjacent to runway 17-35	AN/UMQ-5	RD-108	10'	
3.	1966	500 feet east of center line of runway 17-35 and 350 feet southwest of center line of taxiway #3	"	RD-108B	15'	
4.	1975	500 feet east of center line of runway 17 - 35	"	RD-447/ GMQ 29	18'	

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Ansonia, N.C.

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

**DESCRIPTION:** Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

**COMMENT:** All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

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Asheville, N. C.

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

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# WEATHER CONDITIONS

STATION 1 600 71 STATION NAME 4 - 7 YEARS 1 MONTH 1

RECORDS OF WEATHER VARIOUS ATMOSPHERIC PHENOMENA  
FROM 1911 TO PRESENT

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	111.7	2.2	34.4	7.4	2.1	.3	74.2	7.6	14.2	.5	1.4	41.7	478
FEB		7.2	31.6	2.4	6.1	.4	75.1	72.2	16.6	.1	2.7	30.3	711
MAR		17.1	25.7	.7	2.4	.5	76.7	77.2	14.4	.1	.4	71.7	1076
APR		11.1	47.4	.1	.1	1.4	91.4	71.4	16.1		2.7	34.4	424
MAY		7.1	42.1			.2	71.2	11.4	16.4		.4	7.4	1074
JUN		1.7	7.4			.4	71.3	.2	17.1		.1	17.4	477
JUL		1.4	25.4				74.4	4.4	11.7		.4	11.1	776
AUG		1.6	76.1			.2	76.7	2.1	15.4		.4	7.1	1071
SEP		17.1	72.4			.1	76.4	71.4	14.4		.4	71.7	1071
OCT		.4	7.4			.4	71.4	21.4	16.1		.4	71.7	1074
NOV		1.7	71.4	.4	1.4	.3	74.2	74.4	13.4		.4	77.4	774
DEC		1.0	12.4	1.4	1.1	.1	71.4	24.7	11.4	.1	1.4	34.4	474
TOTALS		1.3	24.4	1.1	1.1	.6	72.4	71.9	14.4	.1	1.7	7.4	1174

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# WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 73-10 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	1		8.1	.6	1.6		10.3	11.5	.3	.7		11.2	712
	2	1.0	9.2	1.5	1.5		12.2	14.5	.3			14.2	712
	3		7.1	2.3	1.7		10.4	15.3	.			15.2	712
	4		7.7	1.2	.6		10.3	24.2	2.0			16.3	712
	5	.6	8.4	1.3	2.0		12.4	15.2	1.1		.3	14.4	712
	6		8.7	.6	1.4		10.6	10.9	1.2			13.5	712
	7	1.0	7.1	1.3	1.9		9.7	10.2	2.4		.2	10.5	712
	8	.3	9.4	1.6	1.0	.7	11.5	10.5	1.0		.2	11.6	712
TOTALS		.4	8.2	1.4	1.6	.2	11.0	14.3	1.3	.2	.1	15.7	2421

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# WEATHER CONDITIONS

STATION NAME: DALLAS, TX YEARS: 73-74 NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00		6.4	.7	2.1		7.4	7.4			.7	8.3	2.2
	01	.7	7.1	1.1	2.0		9.6	1.0	.7		.7	17.1	2.1
	04		5.7	1.1	3.0		9.6	1.0	.7		1.1	16.7	2.7
	07	.4	7.1	.7	4.2		10.5	7.0	6.4		.7	31.1	2.7
	10		7.4	1.1	2.1		9.6	12.0	3.1	.4	.4	17.0	2.2
	13		6.4	.7	.7		7.8	11.7	2.1			1.1	2.2
	16		5.7	.4	.7		6.0	1.0	2.0		1.1	17.0	2.1
	21	.7	4.6	.7	.7		5.7	1.0	.4		.7	7.1	2.2
TOTALS		.2	6.2	.8	1.9		8.3	12.9	2.2	.1	.7	17.0	22.0

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# WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 77-00 YEARS AD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATION

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01	1.3	6.7				6.7	2.7			.3	2.7	1.3
	02	1.3	5.3				5.3	4.7	.3			5.3	1.3
	03	1.3	7.3				7.3	11.3	4.7		.3	15.3	1.3
	04	.3	7.3				7.3	1.3	7.3			11.3	7.3
	05		6.3				6.3	1.3	7.3			7.3	7.3
	06		6.3				6.3	1.3	7.3			7.3	7.3
	07	.7	7.3				7.3	2.7	7.3		.3	4.7	7.3
	08	7.3	6.3				6.3	4.7	2.3		1.3	7.3	7.3
	09	7.3	6.3				6.3	1.3	1.3		.3	6.3	7.3
TOTALS		1.3	6.3				5.2	5.4	2.4		.3	7.4	24.7

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# WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 73-02 YEARS 4 MONTH AV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00	2.6	4.5				4.5	1.0	.7			1.0	310
	01	3.9	8.1				8.1	4.0	.7			4.0	310
	02	2.9	8.7				8.7	24.0	8.7			21.0	310
	03	1.6	7.1				7.1	7.4	7.4			13.0	309
	04	3.9	5.4				5.4	2.3	4.0			6.0	310
	05	1.6	5.9				5.9	1.3	3.0			4.5	310
	06	3.2	4.8				4.8	1.3	2.0			3.0	310
	07	5.5	6.0				6.0	.7	1.3			1.0	310
TOTALS		3.2	6.5				6.5	5.5	3.0			5.4	2479

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# WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 73-42 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00	2.7	4.0				4.0						300
	01	4.0	5.0				5.0	1.3				1.3	300
	04	7.3	5.0				5.0	7.3	6.7			12.3	300
	07	2.3	3.7				3.7	1.3	3.7			5.0	300
	10	1.0	3.7				3.7	.7	1.7			2.3	300
	13	1.0	2.3				2.3	.3	.3			.7	300
	16	2.3	2.3				2.3		.3			.3	300
	21	2.3	3.0				3.0		.3			.3	300
TOTALS		2.4	3.0				3.6	1.4	1.6			2.8	2400

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# WEATHER CONDITIONS

STATION 00001 DALLAS, TX STATION NAME 73-22 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	1.6	2.9				2.9		1.7			1.7	304
	02	.9	2.3				2.3	.3	1.5			1.6	310
	03	1.0	1.9				1.6	2.6	6.1			7.7	317
	04	.3	2.6				2.6	1.9	4.2			5.2	310
	12	.3	2.3				2.3	.3	2.6			2.9	310
	13	2.3	2.6				2.6	.3	1.6			1.9	310
	14	4.2	5.2				5.2	.6	2.6			3.2	310
	01	2.6	3.5				3.5	.3	1.3			1.6	310
TOTALS		1.6	2.9				2.9	.7	2.6			3.2	2470

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# WEATHER CONDITIONS

1951      DALLAS, TX      13-52      SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00	.3	5.7				5.4	1.3	1.3			2.7	300
	03	.7	6.3				4.3	4.0	1.7			5.0	300
	06	.3	7.7				7.7	13.3	9.0			26.0	300
	09	1.0	8.7				4.7	10.0	12.0			19.7	300
	12	.3	5.3				5.7	3.3	7.7			10.7	300
	15	.7	4.7				4.7	1.7	3.3			5.7	300
	18	.7	5.7				6.7	1.7	3.7			5.0	300
	21	1.3	6.3				6.3	2.7	1.3			4.0	300
TOTALS		.7	6.3				6.3	4.3	5.0			9.0	2400

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## WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 72-00 YEARS 80 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00	.6	1.3				1.3		.3			.3	210
	03	1.3	1.3				1.3	.3	.3			.6	210
	06	1.3	2.6				2.6	4.2	14.2			16.1	210
	09	.6	3.2				3.2	1.3	6.1			9.4	210
	12	.3	2.3				2.3	.3	3.0			4.2	210
	15	1.3	1.9				1.9		1.6			1.6	210
	18	1.6	2.6				2.6		1.9			1.9	210
	21		1.3				1.3	.3	.6			.6	210
TOTALS		.8	2.1				2.1	.9	3.9			4.3	2460

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# WEATHER CONDITIONS

STATION 27901 DALLAS, TX STATION NAME 73-42 YEARS OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01	1.3	5.2				5.5	1.1				3.5	710
	02	.6	4.5				4.5	3.1				3.5	710
	03	1.0	6.5				6.5	4.4	1.1			9.0	710
	04	1.0	6.5				6.5	9.0	5.4			12.9	710
	05	.3	5.1				5.5	2.9	1.7		.3	5.2	710
	06	.3	4.5				4.5	3.3	.6			2.9	710
	07	1.3	4.5				4.5	2.0	1.3			3.5	710
	08	.6	3.2				3.2	2.3	.4			2.6	710
TOTALS		.8	3.1				5.1	4.3	1.4		.2	5.4	2480

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4

## WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 73-32 YEARS NOV NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00	.7	5.7		.3		5.7	6.7				6.7	100
	03	.3	6.7		.3		7.3	6.7				6.7	100
	06	.7	7.3				7.3	12.7	.7			13.0	100
	09		6.7				6.7	17.7	4.7			21.3	100
	12		5.7		.3		6.7	9.7	2.7			11.9	100
	15	.3	5.3		.7		6.7	1.3	2.7			6.7	100
	18	.7	5.7	.3			6.7	6.7	1.7			6.7	100
	21		4.7				4.7	1.7	.7			2.7	100
TOTALS		.7	5.7	.3	.7		6.2	6.7	1.4			5.8	2400

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# WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 72-32 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00		5.8	.3	.7		6.1	7.4	.6		.3	6.1	717
	03	.6	5.3	.6	.3		6.6	8.1	.6		.3	9.7	717
	06	.3	7.1		.7		7.4	7.4	.3		.3	9.4	717
	09		6.3				6.7	12.3	4.6			15.6	310
	12	.3	7.4		.7		7.4	7.7	2.6			17.5	617
	15		5.2	.7	.7		6.1	7.1	3.5		.3	10.3	717
	18		5.2				7.2	7.1	2.6		.6	10.6	706
	21		5.8	.3			6.1	6.6	.7		.3	7.4	706
TOTALS		.2	6.7	.7	.2		6.5	6.2	1.9		.3	1.7	2471

10/11 2036-94221

4

# WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 73-11 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	811	.4	3.2	1.4	1.5	.2	11.2	14.3	1.2	.3	.2	10.2	2430
FEB		.2	6.2	.8	1.8		4.2	12.1	2.1	.1	.2	11.1	2250
MAR		1.3	6.5	.2	.1		6.3	4.2	1.4		.4	5.7	2420
APR		1.2	5.2				5.2	2.9	2.4		.3	4.4	2430
MAY		5.2	6.2				5.2	1.5	2.1			4.4	2470
JUN		2.4	2.2				3.5	1.4	1.4			2.4	2430
JUL		1.6	2.2				2.3	.7	2.2			2.2	2470
AUG		.8	2.1				2.1	.3	1.2			4.3	2430
SEP		.7	6.1				5.2	4.1	2.2			6.2	2430
OCT		.5	5.1				3.1	3.2	1.4		.2	5.4	2430
NOV		.3	5.2	.2	.2		6.2	3.7	1.4			2.2	2430
DEC		.2	6.2	.2	.2		5.5	2.2	1.5		.2	10.2	2473
TOTALS		1.1	5.5	.2	.3	.2	5.2	4.2	2.4	.2	.2	5.4	25212

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4431-54321

4

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION TALLAS, TX

JANUARY 1973-DECEMBER 1982

JANUARY

STATION

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	4.3	.6	6.8	2.5	.3	1.6			12.4		.6			42.3
NNE	3.7	.9	6.4	4.6	.9	5.5		.9	21.1		.9			73.4
NE	11.5		13.2	1.3	1.3				23.7		1.3			71.1
ENE	10.4	2.1	14.9	10.6	4.3	4.3		2.1	36.2					51.1
E	11.5	1.3	12.8	2.6					17.9		3.8			65.4
ESE	5.5		4.3						27.5		5.8			66.7
SE	1.1	1.1	7.8	1.1					16.7	2.2				78.9
SSE	3.0	1.5	2.1		.5			.5	12.4	.5	1.5			82.7
S	1.5	.9	.9	.3		.3		.3	8.7	.6	1.8			87.7
SSW	3.0	.6							4.3		1.2			91.5
SW	3.4	1.9							3.3				1.9	90.4
WSW	2.4	2.4			2.4		2.4	2.4	9.5		2.4			83.3
W	2.5	1.8	1.8	1.8	1.8				14.5		3.6		1.8	74.5
WNW	2.7	2.7	5.3	1.3		2.7		1.3	16.0					81.3
NW	3.2	3.2	4.8	1.1	1.6	2.7		1.6	16.1	.5	.5			78.5
NNW	2.4	1.8	3.6	2.2	.4	2.2			11.5		.7	.4		85.7
VARIABLE														
CALM	2.7	.6	4.9	1.5	.3	.3			16.5	1.0	1.6			72.7
TOTAL	77	21	112	36	13	28	1	9	351	9	33	1	2	1998
% TOTAL	3.7	1.3	4.5	1.5	.5	1.1	.0	.4	14.2	.4	1.3	.0	.1	80.6

TOTAL NUMBER OF OBSERVATIONS 2,480

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PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME JANUARY 1973-D CEMSEP 1982 FEBRUARY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SMOG	BLOWING SMOKE AND FOG	WEATHER
N	7.7	.4	4.5	1.8	.9	2.7			7.2		3.1			74.9
NNE	7.5		3.8	1.3	2.5	3.8			17.7		5.1			73.4
NE	14.7	2.1	4.3	4.3	6.4	6.4		2.1	23.4		4.3			56.6
ENE	7.7		11.5	11.5	3.8				7.8					69.1
E	12.7		8.8	7.5	2.5	5.0			23.8		1.3			69.8
ESE	5.1	2.6	6.4		1.3			1.3	14.1	1.3	3.8			76.9
SE	3.1	1.0	4.0					1.0	10.2	2.0	1.3			78.3
SSE	2.1		.6		.6				10.0	.0	3.3			84.4
S	1.2		1.4						7.3	.5	.9			90.8
SSW	.0	.6	1.2						4.3					91.1
SW	1.0								1.1	1.5	1.6			97.0
WSW	3.7		3.6						7.1					95.7
W	3.7	1.2	1.2			1.2		1.2	4.9	1.2			1.2	85.2
WNW	3.2	1.1	1.1		1.1	3.2			7.4					87.7
NW	7.0	3.0	1.2		.6	.6		.6	12.7		1.2			83.1
NNW	2.1	.4	1.3	.9	2.2	3.1			14.5		4.4	.4		78.1
VARIABLE														
CALM	2.7		2.6						14.1	1.0	2.6			86.7
TOTAL	113	14	56	18	19	28		5	281	10	46	1	1	1409
% TOTAL	2.7	.6	2.5	.8	.8	1.2		.7	12.5	.4	2.0	.0	.0	62.4

TOTAL NUMBER OF OBSERVATIONS 2,250

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION NAME TALLAH, TX

PERIOD JANUARY 1973-DECEMBER 1982

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BL. W. N. F.	BL. W. N. F.	% OBSERVATIONS
N	.0	3.1	1.6	.5	.5	.5		2.6	3.1		2.1			48.1
NNE	3.0	5.3	2.5					2.3	5.0		3.9			62.0
NE	.0	5.9	3.9					3.9	13.7					76.5
ENE	1.1	5.6	1.4						7.2	1.4	4.3			76.4
E	1.7	4.7	1.9					.9	14.0	.9	4.7			77.4
ESE	6.9	7.6	1.1					3.1	15.3		3.1			74.8
SE	1.7	5.8	1.5					1.5	15.3	.7	1.5			76.6
SSE	2.4	2.4	3.1					1.0	5.4		1.4			85.4
S	1.0	1.6	.8					.4	4.7	.2	.4			92.5
SSW	1.2	1.2	.6					1.0	5.5	.6	.6			90.7
SW		1.6						3.1	4.7		1.6			85.9
WSW		4.7								2.0				93.0
W		1.3						1.3	2.6				1.3	87.0
WNW	1.0	2.4						3.5	2.4					91.0
NW	2.7	3.6			.9			7.2	2.7					68.7
NNW	.0	.9	.5						7.3		.9			64.9
VARIABLE														
CALM		1.3						1.2	1.1	1.2	1.3			84.7
TOTAL	5.7	7.2	7.1	1	2	1		4.2	16.4	8	3.4		1	215.5
% TOTAL	3.3	2.9	1.3	.0	.1	.0		1.7	6.6	.3	1.4		.0	46.9

TOTAL NUMBER OF OBSERVATIONS 2,460

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PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION ALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

APRIL

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	WEATHER
N	1.4	4.7	2.7					1.4	1.1	1.4	1.4			21.8
NNE	3.3	4.4	2.2						1.7	2.2	2.2			23.3
NE		5.6							13.9					23.3
ENE	4.0	4.0						4.0	12.0					24.0
E	2.0	8.4						.9	10.3		.9			21.7
ESE		5.4	.8					.6	6.2		6.2			26.9
SE	2.2	5.3	1.9					4.3	7.2	.5	6.3			27.9
SSE	2.2	3.3	1.1					.5	5.2	.5	2.5			28.5
S	.7	2.9	.8					1.4	2.9	.2	2.2			21.2
SSW	2.2	2.2	.7					1.4	5.0		1.4			29.9
SW		6.1						2.0	10.2		2.0			21.6
WSW		13.6						13.7	4.5		4.5		2.1	28.2
W	1.0	1.8							3.6				1.0	29.1
WNW	1.3	3.9							1.2	1.3	1.3		1.3	25.9
NW			.9						1.7					27.4
NNW	2.1	3.5						.7	5.0	.7	2.1		.7	29.4
VARIABLE														
CALM	2.2	1.1						.4	4.5	1.7	2.2			22.4
TOTAL	4	87	21					32	129	13	59		5	227
% TOTAL	1.7	3.7	.9					1.3	5.4	.5	2.4		.2	27.4

TOTAL NUMBER OF OBSERVATIONS

2,472

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PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION TALLAS, TX

JANUARY 1973-DECEMBER 1982

MAY

STATION

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.0	6.8	1.5					5.3	6.1		1.5			64.1
NNE	2.3	8.1						9.3	3.5		4.7			52.5
NE	2.3	7.0						4.7	2.3		2.3			86.2
ENE	2.0	10.2						8.2	4.1		4.1			79.6
E	2.5	6.8						1.7	8.5		15.3			72.7
ESE	2.1	3.5	.7					2.8	6.4		9.2			79.4
SE	1.6	2.1	1.6					1.6	5.3		3.7			88.5
SSE	.5	3.2						3.2	3.2	.3	2.1			90.3
S	.2	2.0	.3					.7	3.4	.3	3.7			91.4
SSW	2.5	7.4						3.3	6.2					82.7
SW		7.4						9.4						90.6
WSW														100.0
W	2.3	2.3	2.3					7.0	4.7					90.7
WNW	2.0	4.1						8.2	4.1					85.7
NW	2.2	10.8	1.1					6.5	8.6	1.1				80.6
NNW	.8	9.0	1.6					4.1	7.4	.3	1.6			83.4
VARIABLE														
CALM	3.4	6.2	.5					2.8	9.5	.7	3.3			72.4
TOTAL	34	113	14					78	129	7	88			2137
% TOTAL	1.4	4.6	.6					3.1	5.2	.3	3.5			86.2

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

4331 (4-32)

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION TALLAS, TX STATION NAME JANUARY 1973-DECEMBER 1982 YEARS JUNE MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.6	7.9						5.6	3.4					85.4
NNE	1.7	1.7						3.4	5.1		3.4			89.8
NE	3.7	1.9						5.6	1.9		7.4			85.2
ENE	1.7	3.4						1.7	1.7		6.9			87.9
E		3.3						3.3	1.7					92.5
ESE	.7	5.7	.7					1.4	.7		5.0			88.7
SE	3.2	3.3						3.3	1.6	.5	2.7			89.6
SSE	.7	1.2						1.4	.3		.9			97.1
S	.4	.7						1.1	.2	.1	.9			97.3
SSW	.7	1.7						1.7	1.1		1.7			94.9
SW		2.9						2.9						97.1
WSW	1.3	4.2						16.7		4.2				79.7
W									7.7		7.7			72.3
WNW		11.1						11.1						83.3
NW	1.7	10.0						16.7	6.7					76.7
NNW	2.9	4.4						2.9	4.4					89.7
VARIABLE														
CALM	1.4	4.3						2.1	2.1	1.4	1.4			90.5
TOTAL	20	58	1					57	28	5	39			2243
% TOTAL	1.2	2.4	.0					2.4	1.2	.2	1.6			93.5

TOTAL NUMBER OF OBSERVATIONS 2,400

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PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

JULY

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.1	14.6	5.3					10.4	10.4		4.2			70.8
NNE		2.4						2.4	4.8		7.1			87.3
NE		7.7						2.6		2.6	7.7			82.1
ENE	3.7	5.6						7.4			13.0			75.9
E		6.4						5.6	.8		8.0			85.6
ESE	.7	1.5						2.2	.7		7.4			88.1
SE	.1	1.5	.4					1.2	.4	.8	1.5			95.0
SSE	.7	.5	.2					.7			.5			97.8
S		1.3	.1					.6			1.0			97.1
SSW		.7						.7			1.0			97.6
SW		1.5									1.5			97.0
WSW	7.4	3.4												93.1
W	4.7	4.8						4.8						90.5
WNW		20.0						10.0						80.0
NW								5.3						94.7
NNW		2.1						9.1						96.4
VARIABLE														
CALM	1.1	1.1						.5	.5	1.5	6.4			95.7
TOTAL	13	52	6					40	11	6	65			2322
% TOTAL	.5	2.1	.2					1.6	.4	.2	2.6			93.7

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

4431-04321

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION DALLAS, TX

JANUARY 1973-DECEMBER 1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		5.6						1.4	4.2		5.6			48.7
NNE	3.8	5.7						3.8	3.8		7.5			81.1
NE	5.7	4.3						2.2	8.7		6.7			75.3
ENE	3.8	5.4						3.6	3.6		7.1			93.9
E		1.2						1.2	1.2		4.8			93.4
ESE									.5		3.9			95.6
SE		1.5						1.1			3.7			95.1
SSE	.7	.7						.7	.5		2.7			96.3
S	.5	.5						.7			1.6			97.7
SSW		1.4						.5			2.3			95.9
SW	2.5										2.5			95.7
WSW		9.1						4.5						92.9
W	7.1	7.1												85.7
WNW	2.2								11.1					77.8
NW		15.8						5.3			5.3			78.9
NNW								2.3	2.3		9.1			88.6
VARIABLE														
CALM		4.7						.7	1.7		11.3			85.7
TOTAL	14	37						21	22		95			2312
% TOTAL	.6	1.5						.8	.9		3.9			93.8

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME JANUARY 1973-DECEMBER 1982 YEARS SE-TEMBER MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.2	2.1	2.5					.4	9.2	.4	6.7			78.7
NNE	15.2	6.4	2.4					2.4	9.6		5.6			69.6
NE	14.5	2.0						2.0	9.9	3.5	5.9			74.3
ENE	5.7	1.1							9.2		11.5			78.2
E	3.4	2.0						1.3	4.0	.7	7.4			86.6
ESE	1.3	1.7	.6						3.6	1.3	2.5			91.7
SE	1.3	1.7						.5	.5	1.0	5.4			91.2
SSE	.3	2.1	.3					1.0	1.4	.7	2.4			93.2
S	.3	1.9						.3	.5		2.1			95.3
SSW	.3	1.7						.8		.6	4.1			92.6
SW		5.7						2.9	2.9		2.9			91.4
WSW									11.1		11.1			77.8
W	6.7	20.0						6.7						73.3
WNW	14.3	4.8							4.8					91.0
NW	7.3	2.1								6.3	10.4			77.1
NNW	4.1	.8	3.3						7.4	.8	8.2			80.3
VARIABLE														
CALM	1.4	1.0	.3						1.4	1.7	5.7			84.5
TOTAL	86	50	16					16	93	21	119			2085
% TOTAL	3.3	2.1	.7					.7	3.9	.9	5.0			86.9

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION NAME DALLAS, TX

PERIOD OF RECORD JANUARY 1973-DECEMBER 1982

MONTH OCTOBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	7.7	2.6						1.0	4.1				.5	89.7
NNE	4.7	4.7	7.1						10.6					83.5
NE	10.3	1.7						1.7	8.6		1.7			79.3
ENE	7.7	3.8						1.9	7.7					84.6
E	.7	.9							3.7		1.8			93.0
ESE	2.4	3.1						1.6	3.9	.6	3.1			86.6
SE	1.1	2.6	.5					1.0	3.2		1.6			91.7
SSE	1.1	1.1						.4	2.6	.4	2.5			92.9
S	1.7	1.9	.2					.4	3.3	.6	1.7			92.3
SSW	1.7	.6						1.7	3.5		.6			93.6
SW		3.0							4.5		1.5			93.9
WSW		6.6												94.4
W	6.5	3.2						6.5		3.2	3.2			87.1
WNW	7.5	2.5							5.0	2.5	2.5			87.5
NW	1.7	2.6						2.6		1.3				93.4
NNW	3.4	1.5	1.5						1.5					93.2
VARIABLE														
CALM	1.7	1.4						.5	4.9	.5	1.7			91.1
TOTAL	56	50	10					20	97	10	35		1	2257
% TOTAL	2.7	2.0	.4					.9	3.9	.4	1.4		.0	91.0

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION TALLAS, TX

JANUARY 1973-DECEMBER 1973

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.4	2.1	3.0			.9			12.4		1.7			91.1
NNE	7.7		1.3	1.3				1.3	15.8		2.6			76.3
NE			5.7						14.3		5.7			85.7
ENE			15.8						21.1					78.9
E	5.3	3.3	6.7					3.3	20.0		6.7			66.7
ESE	3.7	1.2	1.2						11.1					86.4
SE	3.1		3.9						12.5		1.6			85.2
SSE	2.4	2.4	.8						7.3		.8			88.7
S	1.4	.7	.5					.2	7.5	.2	1.2			90.1
SSW	.7								2.4	.6	.6			96.4
SW		1.7							3.4					94.9
WSW	2.4							2.4						97.6
W	6.4	10.2	1.7					5.1	3.4					81.4
WNW	2.2	6.5	3.2						7.5					88.2
NW	3.4	.7	2.7			.7			7.5		1.4			89.1
NNW	2.0	.5	2.1		.5	1.0			6.2		2.6			88.7
VARIABLE														
CALM	1.4	.6	.6						4.5		1.2			98.4
TOTAL	69	34	44	1	1	5		6	206	2	33			2098
% TOTAL	2.7	1.4	1.8	.0	.0	.2		.3	8.6	.1	1.6			87.4

TOTAL NUMBER OF OBSERVATIONS 2,000

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PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION DALLAS, TX

JANUARY 1973-DECEMBER 1982

DECEMBER

STATION

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.3	2.1	3.8		.4			.4	8.3		3.3			84.2
NNE	6.0	4.5	3.0			1.5		1.5	11.9		6.0			73.1
NE	20.7		10.3						31.0		10.3			58.6
ENE	16.1	3.2	16.1						35.5		9.7			53.1
E	6.0	8.0	6.0						18.0		4.0			70.0
ESE	3.0	3.0	2.0						10.4		3.0			77.6
SE	2.0		4.6						9.2		2.8			88.1
SSE	.0	.9	2.7					.5	7.8	.9	3.2			88.1
S	.0	.9	.9						5.1	.4	1.8			91.6
SSW		.4	.4						2.2		.4			97.4
SW									1.1				1.5	93.8
WSW		2.0												95.9
W	1.2		1.2						2.4		1.2		1.2	91.0
WNW	1.1	2.2	4.4		1.1			1.1	5.6	1.1				88.9
NW	2.4		3.0	.6					6.5		1.2			91.7
NNW	.0	.0	5.2	1.6	.4	.4			11.2	.4				82.3
VARIABLE														
CALM														70.2
TOTAL	45	27	68	5	7			4	196	7	48		2	2176
% TOTAL	2.7	1.1	2.7	.2	.1	.1		.2	7.9	.3	1.9		.1	47.8

TOTAL NUMBER OF OBSERVATIONS 2,476

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

ALLAN, TX

JANUARY 1973-DECEMBER 1992

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	4.3	3.0	3.1	.6	.2	.7		1.4	7.4	.1	2.4		.0	42.1
NNE	5.7	3.8	2.7	.7	.3	1.1		2.2	1.3	.2	3.6			74.4
NE	6.1	2.9	3.1	.5	.7	.5		2.1	12.4	.7	4.4			76.4
ENE	5.3	3.9	3.6	1.3	.5	.3		2.4	11.7	.2	5.3			77.1
E	3.7	3.7	2.0	.6	.2	.3		1.7	8.3	.2	5.1			61.6
ESE	2.2	3.7	1.6		.1			1.2	7.1	.3	4.6			85.1
SE	1.4	2.3	1.6	.0				1.5	5.5	.5	2.9			97.8
SSE	1.3	1.7	.8		.1			.9	4.2	.3	1.9			91.3
S	.7	1.3	.4	.0		.0		.5	3.1	.2	1.6			93.5
SSW	.7	1.3	.2					.9	2.7	.1	1.1			93.6
SW	.5	2.4						1.3	3.2	.2	1.1		.3	91.9
WSW	1.6	3.5	.3		.3		.3	2.7	2.1	.5	.4		.5	89.9
W	3.3	3.1	.9	.2	.2	.2		2.2	4.2	.4	.7		.7	86.0
WNW	2.5	3.9	1.8	.1	.3	.7		1.9	6.0	.4	.3		.1	87.6
NW	2.1	3.0	1.9	.3	.4	.6		2.3	7.5	.5	1.1			86.4
NNW	3.1	1.9	2.1	.7	.4	.9		.6	7.9	.2	2.1	.1	.1	86.2
VARIABLE														
CALM	1.4	1.4	.9	.1	.0	.0		.6	2.4	.4	1.3			47.1
TOTAL	64	627	379	61	38	64	1	332	1707	98	673	2	12	25746
% TOTAL	2.2	2.1	1.3	.2	.1	.2	.3	1.1	5.8	.3	2.4	.0	.0	58.1

TOTAL NUMBER OF OBSERVATIONS 29,212

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WCCD. Federal Building  
Asheville, N. C.

## PART B      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL\*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION 44444, TX STATION NAME 44444 YEARS 44444

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	7.2	1.2	1.6	.4	4.4	5.0	8.7	2.1	.1					22.0	1116	1.75	4.0	.1
FEB	6.7	1.2	2.5	4.9	7.2	4.7	3.7	3.0	1.0	.1				23.0	1016	2.07	5.4	.
MAR	6.7	1.2	2.4	3.5	7.0	4.4	4.0	3.6	1.4	.1	.1			22.3	1015	2.40	7.8	.1
APR	6.7	1.2	2.1	4.7	1.3	4.2	2.4	5.0	3.0	.5				23.1	1110	4.09	3.68	.7
MAY	6.7	1.2	7.0	3.6	1.7	5.1	4.0	5.5	3.0	.6	.1			20.3	1147	4.74	2.46	.6
JUN	7.2	.1	1.1	3.3	1.0	3.2	3.1	4.4	2.0	.4				16.7	1110	2.80	8.44	.
JUL	7.2	3.1	1.1	2.0	1.5	2.6	3.4	1.2	1.7	.1	.1			16.0	1116	2.05	8.54	.1
AUG	7.2	2.2	.7	3.2	1.0	3.0	2.2	2.4	1.6	.2	.2			16.0	1147	2.31	9.03	.1
SEP	7.2	.6	1.1	3.5	2.0	3.0	3.6	3.9	2.3	.5				2.0	1110	3.29	6.92	.1
OCT	7.2	.1	1.0	2.1	1.4	3.0	2.0	2.4	1.2	.4				16.0	1170	3.17	6.63	.1
NOV	7.2	4.0	1.4	3.3	2.0	3.6	3.2	2.3	2.0	.2				16.0	1110	2.30	9.65	.2
DEC	6.7	1.2	1.0	3.5	2.2	3.7	2.4	3.2	1.2	.2				16.0	1116	1.93	6.46	.1
ANNUAL	6.7	1.0	1.4	4.0	2.2	3.0	3.4	3.4	2.1	.3	.3			2.0	11331	32.78		

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40773

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
IN FALL  
(FROM DAILY OBSERVATIONS)

STATION ALABAMA STATION NAME 4 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	1.	1.	1.	.5	.7	.4	.1	.7	.1					1.	1116	1.6	10.4	.
FEB	1.	1.	.5	.9	.7	.4	.1	.1	.1					2.	1116	1.3	15.7	.
MAR	1.	1.	.1	.3	.7									.	1147	.2	1.	.
APR	1.	1.													1020	TRACE	TRACE	.
MAY	1.	1.													111	TRACE	TRACE	.
JUN	1.	1.													111	.	.	.
JUL	1.	1.													111	.	.	.
AUG	1.	1.													1147	.	.	.
SEP	1.	1.													1010	.7	.	.
OCT	1.	1.													1147	.	.	.
NOV	.	1.	.1					.7						.	111	.2	5.5	.
DEC	1.	2.	.7	.2	.1	.1								.	111	.2	2.	.
ANNUAL	.	1.	.2	.2	.1	.1	.	.	.					.	11161	3.5		

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4

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPT  
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	••	•	1.1	••	••	••								2.7	1 23			
FEB	•	••	1.1	•	••	••								3.1	•			
MAR	••	••	••											•	10 5			
APR	••	•													•			
MAY	••	•													1 4			
JUN	••	•													•			
JUL	••	•													10 2			
AUG	••	•													10 4			
SEP	••	•													•			
OCT	••	•													1			
NOV	••	••		•1	•1									•	10 2			
DEC	••	1.1	•1	••										•	10 2			
ANNUAL	••	•	•	•1	•	•1								•	10 1 7			

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NAME STATION YEARS

PRECIPITATION AMOUNT IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1				1.4	.4	1.55	1.62	.45	.82	1.76	1.32	.2	
2	.47	1.37		1.2	2.22	.37	.75	1.0		1.12	3.57	1.27	
3	.22	.5	.77	.47	.61		.01	1.20	1.15	2.04	1.70	1.27	
4	.2		.27		1.41	1.17			.4	.51	.41	2.76	
5		2.27			2.24	1.23	.32	.17	.10	2.42	.35	.27	
6	.1	2.31	1.4	1.11	2.2	1.63	1.1	2.45	2.66	.31	.35		2.6
7	1.37	.26	1.40	.66	.95	3.9	.42	.1	.10	1.28	.5	.77	2.7
8	.65	.83	1.07	2.61	2.85	.12	.43	.2	.25	.11	2.43	1.1	2.45
9	.61	.33	1.55	2.13	1.2	.60	.77	.57	1.37	1.7	.96	.77	2.17
10	.51	.13	.45	1.77	2.12	1.44	.14	1.2	1.83	1.52	1.25	.57	2.17
11	.68	.77	.6	1.24	2.25	1.73	1.61	2.25	.97	.11	.27		
12	.52	.33	.22	1.67	1.74	.81	.17	.22	.60	.53	2.10	1.21	1.74
13	.63	.34	1.9	4.66	4.13	.83	.31	.2	1.11	1.47	1.45	.77	4.2
14	1.27	.27	.7	3.44	1.27	.27	2.45	.83	.77	.5	1.34	.57	2.45
15	.37	1.27	1.31	.67	2.41	1.37	.31	.1	.75	.27	.57	1.47	4.2
16	1.27	.77	.47	.77	.60	.53	.57	2.15	1.67	1.25	.47	1.27	.57
17	1.27	.77	2.25	1.17	.34	1.43	.47	.24	1.6	1.22	1.24	.57	2.7
18	.27	.57	.27	1.75	.71	1.19	1.67	2.27	1.31	1.22	1.15	.47	2.7
19	.3	.27	.1	3.25	1.18	1.17	1.44	.10	.21	.3	.67	1.15	2.7
20	1.27	.4	1.27	.57	.99	.57	.67	1.19	1.37	.11	2.27	.47	2.7
21	.63	1.24	.71	.71	4.3	.72	.47	.7	1.77	.94	1.70	.47	4.3
22	.51	2.72	1.70	2.14	.51	1.45	.94	1.1	.57	1.54	.55	.27	2.72
23	.17	.22	.57	1.17	1.14	1.5	1.37	.2	1.45	1.24	.47	.47	1.4
24	.71	.22	1.53	.41	1.21	.1	1.4	3.12	1.37	.44	1.74	.57	2.7
25	1.25	.5	.77	1.24	4.11	.25	.4	.73	.55	3.12	.22	.77	4.11
26	.44	1.45	.67	1.71	.82	.01	.37	1.27	2.2	.22	.31	.57	2.7
27	.27	.55	.27	1.31	1.57	.52	1.53	1.14	.41	2.27	.55	2.27	2.7
28	.37	.15	.11	2.27	.84	.55	1.23	.44	1.01	1.27	.57	.57	2.7
29	1.17	1.4	1.27	.77	.61	4.39	1.44	.15	3.17	2.27	.67	.57	4.39
30	.22	.5	.27	1.67	4.77	1.33	.72	1.12	1.62	2.27		.7	
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC

STATION NAME

41

YEARS

24 HOUR AMOUNTS IN INCHES  
BASED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1			4.0										PRECIP DAYS
2			2.1						2.2				PRECIP DAYS
3						2.1							PRECIP DAYS
4		2.1		2.4			2.4	2.0					PRECIP DAYS
5	1.4		2.7	2.1									PRECIP DAYS
6											2.0		PRECIP DAYS
7					1.6								PRECIP DAYS
8												1.7	PRECIP DAYS
9												1.1	PRECIP DAYS
10													
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31													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

DEFINITION  
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
	DALLAS, TEXAS	4

24 4010 AMOUNT: 18 INCHES

[illegible]

## SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME 45-40 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
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TOTAL OBS.													

SMOS

2546458321

SN FALL  
(FROM DAILY OBSERVATIONS)

4 - 1 - 1

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

## SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

ON: FALL  
(FROM DAILY OBSERVATIONS)

STATION

ASHEVILLE, TX

STATION NAME

45-17

YEARS

24 HOUR AMOUNT IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4													NO FALL DATA
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MEAN													
S. D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

STATION DALLAS, TX

STATION NAME

4 - 2 - 1

YEARS

DATE	TIME	WIND	WIND DIR	WIND SFC	WIND 1000	WIND 2000	WIND 3000	WIND 4000	WIND 5000	WIND 6000	WIND 7000	WIND 8000	WIND 9000	WIND 10000	WIND 11000	WIND 12000	WIND 13000	WIND 14000	WIND 15000	WIND 16000	WIND 17000	WIND 18000	WIND 19000	WIND 20000	WIND 21000	WIND 22000	WIND 23000	WIND 24000	WIND 25000	WIND 26000	WIND 27000	WIND 28000	WIND 29000	WIND 30000	WIND 31000	WIND 32000	WIND 33000	WIND 34000	WIND 35000	WIND 36000	WIND 37000	WIND 38000	WIND 39000	WIND 40000	WIND 41000	WIND 42000	WIND 43000	WIND 44000	WIND 45000	WIND 46000	WIND 47000	WIND 48000	WIND 49000	WIND 50000	WIND 51000	WIND 52000	WIND 53000	WIND 54000	WIND 55000	WIND 56000	WIND 57000	WIND 58000	WIND 59000	WIND 60000	WIND 61000	WIND 62000	WIND 63000	WIND 64000	WIND 65000	WIND 66000	WIND 67000	WIND 68000	WIND 69000	WIND 70000	WIND 71000	WIND 72000	WIND 73000	WIND 74000	WIND 75000	WIND 76000	WIND 77000	WIND 78000	WIND 79000	WIND 80000	WIND 81000	WIND 82000	WIND 83000	WIND 84000	WIND 85000	WIND 86000	WIND 87000	WIND 88000	WIND 89000	WIND 90000	WIND 91000	WIND 92000	WIND 93000	WIND 94000	WIND 95000	WIND 96000	WIND 97000	WIND 98000	WIND 99000	WIND 100000	WIND 101000	WIND 102000	WIND 103000	WIND 104000	WIND 105000	WIND 106000	WIND 107000	WIND 108000	WIND 109000	WIND 110000	WIND 111000	WIND 112000	WIND 113000	WIND 114000	WIND 115000	WIND 116000	WIND 117000	WIND 118000	WIND 119000	WIND 120000	WIND 121000	WIND 122000	WIND 123000	WIND 124000	WIND 125000	WIND 126000	WIND 127000	WIND 128000	WIND 129000	WIND 130000	WIND 131000	WIND 132000	WIND 133000	WIND 134000	WIND 135000	WIND 136000	WIND 137000	WIND 138000	WIND 139000	WIND 140000	WIND 141000	WIND 142000	WIND 143000	WIND 144000	WIND 145000	WIND 146000	WIND 147000	WIND 148000	WIND 149000	WIND 150000	WIND 151000	WIND 152000	WIND 153000	WIND 154000	WIND 155000	WIND 156000	WIND 157000	WIND 158000	WIND 159000	WIND 160000	WIND 161000	WIND 162000	WIND 163000	WIND 164000	WIND 165000	WIND 166000	WIND 167000	WIND 168000	WIND 169000	WIND 170000	WIND 171000	WIND 172000	WIND 173000	WIND 174000	WIND 175000	WIND 176000	WIND 177000	WIND 178000	WIND 179000	WIND 180000	WIND 181000	WIND 182000	WIND 183000	WIND 184000	WIND 185000	WIND 186000	WIND 187000	WIND 188000	WIND 189000	WIND 190000	WIND 191000	WIND 192000	WIND 193000	WIND 194000	WIND 195000	WIND 196000	WIND 197000	WIND 198000	WIND 199000	WIND 200000	WIND 201000	WIND 202000	WIND 203000	WIND 204000	WIND 205000	WIND 206000	WIND 207000	WIND 208000	WIND 209000	WIND 210000	WIND 211000	WIND 212000	WIND 213000	WIND 214000	WIND 215000	WIND 216000	WIND 217000	WIND 218000	WIND 219000	WIND 220000	WIND 221000	WIND 222000	WIND 223000	WIND 224000	WIND 225000	WIND 226000	WIND 227000	WIND 228000	WIND 229000	WIND 230000	WIND 231000	WIND 232000	WIND 233000	WIND 234000	WIND 235000	WIND 236000	WIND 237000	WIND 238000	WIND 239000	WIND 240000	WIND 241000	WIND 242000	WIND 243000	WIND 244000	WIND 245000	WIND 246000	WIND 247000	WIND 248000	WIND 249000	WIND 250000	WIND 251000	WIND 252000	WIND 253000	WIND 254000	WIND 255000	WIND 256000	WIND 257000	WIND 258000	WIND 259000	WIND 260000	WIND 261000	WIND 262000	WIND 263000	WIND 264000	WIND 265000	WIND 266000	WIND 267000	WIND 268000	WIND 269000	WIND 270000	WIND 271000	WIND 272000	WIND 273000	WIND 274000	WIND 275000	WIND 276000	WIND 277000
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[illegible]

## SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 4-1957

SNOW DEPTH IN INCHES  
BASED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													NO DATA
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SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1971

DALLAS, TX

1946-1982

STATION

STATION NAME

YEARS

JANUARY  
MONTH

FEBRUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0		1972			1979
2	0.1	13	1945			1978
3	0.0	17	1955			1974
4	0.0	7	1957	0.4	10	1972
5	1.3	33	1965			1970
6	0.0	8	1961			1979
7	1.0	40	1961			1973
8	0.4	12	1946	1.0	33	1968
9	0.0	22	1955	2.7	69	1962
10	0.0	25	1974	1.5	38	1979
11	0.0	13	1973	0.0	76	1978
12	1.0	27	1958	0.2	5	1982
13	1.0	35	1951			1982
14	0.0	9	1946			
15	0.1	13	1954	0.4	10	1964
16	0.0	25	1964	1.0	254	1964
17	0.1	4	1956	0.4	10	1968
18	0.0	23	1956	5.0	127	1956
19	0.0	20	1970	0.0	76	1960
20	0.0	15	1948			1979
21	1.0	34	1980	5.0	127	1978
22	0.0	21	1990	0.0	5	1966
23	0.1	10	1953			1970
24	0.4	113	1949	1.0	45	1960
25	1.1	30	1973	0.1	3	1978
26	0.0	8	1948			1963
27	0.0	10	1949	0.2	5	1961
28	0.1	18	1968	0.0	51	1968
29	1.2	31	1969	1.0	33	1951
30	0.0	41	1982	4.4	112	1977
31	0.1	55	1950	1.6	41	1951
Monthly	0.4	113	1949	1.0	254	1964

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.3	58	1950			
2	0.2	6	1977	0.4	23	1956
3	0.0	20	1960	0.4	10	1956
4	1.0	35	1946			1961
5	0.0	21	1961	0.6	15	1961
6	0.0	16	1961	3.2	81	1961
7	1.0	27	1973	3.5	89	1978
8	1.0	41	1965	0.4	10	1978
9	2.7	69	1966	3.0	76	1980
10	0.0	8	1953			1961
11	1.2	33	1977	1.0	25	1958
12	1.4	38	1979	0.0		1958
13	0.0	18	1946	0.0		1951
14	1.0	38	1959	3.2	81	1951
15	0.0	10	1962	2.7	69	1978
16	0.0	17	1965	1.2	30	1980
17	1.1	28	1978	5.7	221	1978
18	0.0	7	1957			
19	0.0	15	1955	2.1	53	1959
20	0.0	10	1951	0.1	3	1964
21	0.0	23	1974			1971
22	0.0	0	1970	1.0	25	1956
23	0.2	58	1949	5.0	127	1975
24	1.4	37	1970	1.0	38	1960
25	1.1	30	1982			1982
26	0.0	13	1966	0.0	13	1982
27	0.0	10	1970			
28	0.0	13	1968			1971
29	0.1	4	1960			
30						
31						
Monthly	2.7	69	1966	8.7	221	1978

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION 145-192 STATION NAME YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.1	2.5	1954			
2	.2	5.1	1977	1.0	25.4	1971
3	.2	5.1	1977			
4	.2	5.1	1958			
5	.2	5.1	1958	.3	7.6	1954
6	.3	7.6	1957			
7	.7	17.8	1976	1.0	25.4	1947
8	.2	5.1	1964			
9	.1	2.5	1957			
10	.1	2.5	1949			
11	.1	2.5	1964			
12	.1	2.5	1964			
13	.1	2.5	1946			
14	.1	2.5	1964	1.4	35.6	1962
15	.1	2.5	1970			
16	.1	2.5	1961			
17	.4	10.2	1959			
18	.1	2.5	1947			
19	.2	5.1	1972			
20	.4	10.2	1968			
21	.1	2.5	1949	.7	17.8	1970
22	.6	15.2	1958			
23	.1	2.5	1978			
24	.7	17.8	1976			
25	.7	17.8	1946			
26	.8	20.3	1975			
27	.16	4.1	1977			
28	.2	5.1	1966			
29	.1	2.5	1945			
30	.1	2.5	1970			
31	.1	2.5	1957			
Monthly	.16	4.1	1977	1.4	35.6	1962

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.2	5.1	1946			
2	.76	19.3	1982			
3	.1	2.5	1957			
4	.4	10.2	1962			
5	.6	15.2	1964			
6	.2	5.1	1970			
7	.1	2.5	1970			
8	.0	0.0	1950			
9	.04	1.0	1955			
10	.77	19.6	1962			
11	.4	10.2	1964			
12	.4	10.2	1956			
13	.04	1.0	1954			
14	.2	5.1	1977			
15	.34	8.6	1977			
16	.8	20.3	1950			
17	.1	2.5	1971			
18	.4	10.2	1976			
19	.26	6.6	1976			
20	.78	19.8	1977			
21	.10	2.5	1952			
22	.1	2.5	1952			
23	.13	3.3	1953			
24	.2	5.1	1957			
25	.14	3.6	1964			
26	.6	15.2	1957			
27	.08	2.0	1972			
28	.25	6.4	1963			
29	.40	10.2	1956			
30	.77	19.6	1954			
31						
Monthly	.6	15.2	1957			

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.2	30	1954			
2	1.1	28	1974			
3	1.1	28	1979			
4	1.1	28	1969			
5	1.1	28	1974			
6	1.1	28	1969			
7	1.1	28	1972			
8	1.1	28	1981			
9	1.1	28	1951			1981
10	1.1	28	1965			
11	1.1	28	1948			
12	1.1	28	1957			
13	1.1	28	1968			
14	1.1	28	1974			
15	1.1	28	1965			
16	1.1	28	1955			
17	1.1	28	1949			
18	1.1	28	1929			
19	1.1	28	1935			
20	1.1	28	1955			
21	1.1	28	1973			
22	1.1	28	1945			
23	1.1	28	1957			
24	1.1	28	1982			
25	1.1	28	1982			
26	1.1	28	1982			1982
27	1.1	28	1981			
28	1.1	28	1978			
29	1.1	28	1946			
30	1.1	28	1976			
31	1.1	28	1946			
Monthly	1.1	28	1949			1982

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.67	42	1981			
2	1.67	42	1951			
3	1.67	42	1977			
4	1.67	42	1955			
5	1.67	42	1981			
6	1.67	42	1959			
7	1.67	42	1974			
8	1.67	42	1955			
9	1.67	42	1974			
10	1.67	42	1976			
11	1.67	42	1945			
12	1.67	42	1945			
13	1.67	42	1945			
14	1.67	42	1981			
15	1.67	42	1954			
16	1.67	42	1951			
17	1.67	42	1961			
18	1.67	42	1955			
19	1.67	42	1947			
20	1.67	42	1947			
21	1.67	42	1951			
22	1.67	42	1959			
23	1.67	42	1965			
24	1.67	42	1968			
25	1.67	42	1949			
26	1.67	42	1949			
27	1.67	42	1967			
28	1.67	42	1949			
29	1.67	42	1951			
30	1.67	42	1967			
31						
Monthly	1.67	42	1977			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION NAME

1 45-1 202

YEARS

JULY  
MONTH

AUGUST  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.2	34	1967			
2	1.4	14	1949			
3	1.0	15	1931			
4	1.2	41	1945			
6	1.4	89	1958			
6	1.5	14	1958			
7	1.2	57	1982			
8	1.4	12	1968			
9	1.1	7	1977			
10	1.4	23	1945			
11	1.4	47	1973			
12	1.0	26	1972			
13	1.3	34	1967			
14	1.4	37	1963			
15	1.4	11	1955			
16	1.1	41	1955			
17	1.4	24	1966			
18	1.7	29	1953			
19	1.5	14	1962			
20	1.4	12	1954			
21	1.4	11	1953			
22	1.4	11	1961			
23	1.5	14	1971			
24	1.4	37	1975			
25	1.6	144	1975			
26	1.5	39	1967			
27	1.6	42	1962			
28	1.2	44	1973			
29	1.3	21	1975			
30	1.5	14	1982			
31	1.5	14	1947			
Monthly	1.6	144	1975			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.1	7	1977			
2	1.2	53	1962			
3	1.1	15	1979			
4	1.3	19	1969			
5	1.5	38	1975			
6	1.3	19	1974			
7	1.2	7	1965			
8	1.1	3	1974			
9	1.5	12	1972			
10	1.12	27	1974			
11	1.1	53	1955			
12	1.2	21	1953			
13	1.12	77	1968			
14	1.14	27	1971			
15	1.15	3	1964			
16	1.0	1	1981			
17	1.9	25	1964			
18	1.1	21	1951			
19	1.27	32	1977			
20	1.1	150	1977			
21	2.19	56	196			
22	1.4	42	1957			
23	1.44	24	1977			
24	1.15	29	1966			
25	1.94	24	1971			
26	1.67	43	1968			
27	1.0	203	1947			
28	1.10	76	1946			
29	2.48	63	1957			
30	1.54	17	1974			
31	1.0	23	1977			
Monthly	1.0	203	1947			

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION

DAV. LAS. T.

STATION NAME

1 45-1 752

YEARS

PRECIPITATION  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	79	1976			
2	0.0	25	1977			
3	1.0	35	1957			
4	1.0	39	1957			
5	0.0	21	1973			
6	0.0	47	1973			
7	0.2	46	1967			
8	1.1	75	1949			
9	0.6	15	1967			
10	0.1	5	1974			
11	1.4	37	1947			
12	0.0	41	1961			
13	0.3	8	1977			
14	1.4	37	1967			
15	0.0	23	1967			
16	0.2	41	1977			
17	1.0	25	1974			
18	0.0	27	1945			
19	0.7	71	1958			
20	1.0	49	1974			
21	0.7	76	1965			
22	0.0	30	1969			
23	0.0	51	1977			
24	1.0	41	1967			
25	0.0	15	1955			
26	0.1	87	1977			
27	0.8	23	1964			
28	0.5	72	1969			
29	4.5	116	1978			
30	1.0	46	1959			
31						
Monthly	4.5	116	1977			

PRECIPITATION  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	4.22	107	1959			
2	3.02	77	1961			
3	2.02	72	1971			
4	2.05	65	1959			
5	0.47	12	1977			
6	0.72	13	1961			
7	2.27	57	1981			
8	2.04	52	1947			
9	1.17	29	1961			
10	2.08	53	1977			
11	2.23	57	1977			
12	3.17	81	1969			
13	1.00	50	1967			
14	1.77	45	1974			
15	1.2	33	1967			
16	0.30	9	1949			
17	1.20	30	1967			
18	1.7	50	1971			
19	2.03	62	1971			
20	0.01		1971			
21	1.03	46	1977			
22	1.14	29	1977			
23	1.17	30	1977			
24	2.02	61	1949			
25	1.00	43	1957			
26	1.09	51	1972			
27	0.0	22	1967			
28	1.20	33	1969			
29	1.00	35	1977			
30	1.02	44	1977			
31	2.27	58	1974			
Monthly	4.22	107	1959			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1901

ASHEVILLE, NC

1945-1962

STATION

STATION NAME

YEARS

NOVEMBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0	1946			
2	0.0	0	1946			1951
3	0.0	0	1946			
4	0.0	0	1956			
5	0.0	0	1957			
6	0.0	0	1972			
7	0.0	0	1962			
8	0.0	0	1977			1968
9	1.02	34	1946			
10	0.0	0	1974	0.1	3	1957
11	0.0	0	1946			
12	0.0	0	1972			
13	0.0	0	1947	5.0	14	197
14	1.0	34	1958			197
15	0.0	0	1978			
16	0.0	0	195			
17	0.0	0	1952			
18	0.0	0	1964			
19	0.0	0	1951			
20	0.0	0	1978			
21	0.0	0	1961			1972
22	1.0	42	1961			1971
23	1.0	47	1952			
24	0.0	0	1952			1957
25	1.0	33	1952			
26	1.0	44	1982			1980
27	0.0	0	1953			
28	0.0	0	1967			1970
29	0.0	0	1977			1974
30	0.0	0	1963			1955
31						
Monthly	0.0	0	1946	5.0	14	1976

DECEMBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0	1959			
2	0.0	0	1971			
3	0.0	0	1947			1972
4	0.0	0	1951			
5	0.0	0	1971			1972
6	1.0	46	1962			1965
7	1.02	31	1960			
8	1.0	45	1950			
9	0.0	0	1971			
10	1.0	33	1946	0.1	3	1972
11	1.0	34	1947			1972
12	0.0	0	1972	0.1	3	1972
13	0.0	0	1961			1972
14	0.0	0	1946			1971
15	1.02	36	1959			
16	0.0	0	1961			
17	0.0	0	1959			
18	1.02	31	1956			1964
19	0.0	0	1956			1972
20	0.0	0	1962			1972
21	0.0	0	1972			1972
22	0.0	0	1952	0.0	0	1972
23	1.0	37	1972			
24	1.0	37	1972			1972
25	0.0	0	1952			1972
26	0.0	0	1952			
27	0.0	0	1952			1967
28	0.0	0	1962	1.0	25	1964
29	0.0	0	1962			1967
30	0.0	0	1952	1.0	25	1950
31	1.02	32	1978	0.0	0	1946
Monthly	0.0	0	1971	2.0	51	1946

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NCOB, Federal Building  
Asheville, N. C.

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

DATE SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
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93													
94													
95													
96													
97													
98													
99													
100													
MEAN	1.1	.7	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	1.1
S. D.	1.4	1.33	.23	.09	.07	.00	.00	.00	.00	.00	.01	.50	1.45
TOTAL OBS.	123	75	104	90	104	120	123	104	100	105	102	102	1215

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

1951-1957 IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
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90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND  
(FROM DAILY OBSERVATIONS)

STATION NAME STATION NAME YEARS

WIND SPEED IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	34	31	29	14	33	17	29						
2													
3													
4													
5													
6													
7													
8													
9													
10													
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99													
100													
MEAN	34.2	33.4	34.8	42.0	42.5	41.2	37.4	37.1	34.2	36.8	37.6	37.5	37.5
S.D.	6.57	6.5	6.73	7.44	7.46	7.86	7.13	7.43	7.25	7.04	6.46	7.43	7.43
TOTAL OBS.	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION ATLAS, TX

STATION NAME

45-17

YEARS

DAILY PEAK GUSTS IN KNOTS  
BASED ON LESS THAN 24 OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1951						2			2				WINDS DAYS
1952			07 E 44								34 S 44	44	WINDS DAYS
1953			1 23								14 25		WINDS DAYS
1954		5 55 57	26		7								WINDS DAYS
1955			40										WINDS DAYS
1956			25										WINDS DAYS
1957											45	24	WINDS DAYS
1958						4							WINDS DAYS
1959													WINDS DAYS
1960				17					34				WINDS DAYS
1961			11				44			44			WINDS DAYS
1962	1 44 27						27			44 37			WINDS DAYS
1963		1					20 27	27					WINDS DAYS
1964					17 42			1					WINDS DAYS
1965	32 47 2	42		14 47	14 5			04 21					WINDS DAYS
1966	34 34	44						1 22 3	37 3	30			WINDS DAYS
1967	1	26			17 59	2		11	11	23			WINDS DAYS
1968													WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-22 YEARS JAN  
 CLASS ALL WEATHER MONTH 01  
 CONDITION 00 HOURS (LST) 00

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	3.5	3.5	.3	.7						11.9	6.9
NNE	1.0	1.0		.3								3.5	4.0
NE	.5	1.0	.3									2.0	4.1
NNE	.3											.3	3.0
E	1.0	1.0	1.0									3.0	4.8
ESE	.5	1.0	.6									2.3	6.0
SE	1.0	1.0	.6									2.6	5.0
SSE	.3	1.0	2.0	1.0								5.0	7.0
S	2.0	1.0	4.0	2.0	1.0							13.5	6.4
SSW	2.0	1.0	2.0	1.0								8.4	5.8
SW	1.0	.3										2.3	2.6
WSW	1.0											1.0	1.3
W	1.0	.5	1.0									2.6	5.4
WNW	.3	1.3	.6	.3								2.9	6.1
NW	.5	2.3	1.0	1.3	.6	.7						6.1	9.0
NNW	2.0	3.2	4.5	2.0								13.2	7.3
VARBL													
CALM												17.4	
	19.7	23.5	23.5	13.2	1.0	.5						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

8908

## EXTREME VALUES

STATION	STATION NAME	YEARS
17	ALAS, T	4

DAILY PEAK GUSTS IN KNOTS  
BASED ON LESS THAN 90° OBSERVATIONS FOR MONTH

[illegible]

## SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS JAN  
CLASS ALL WEATHER MONTH 06  
CONDITION 06 HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	3.9	4.7	2.8	.3							12.5	7.6
NNE	1.0	2.6										3.5	4.2
NE	1.3	.3										1.3	3.3
NNE	1.6	.3	1.0									2.9	4.2
E		.3	.6									1.0	4.7
ESE	1.3	.5	.3	.3								2.5	4.6
SE	.7	1.3	1.0	.3								2.9	6.2
SSE	.6	1.6	2.6	.6								5.5	6.4
S	1.6	3.2	3.0	2.6								11.3	7.6
SSW	3.6	1.6	2.6	1.3								9.7	5.5
SW	1.0	.4										2.5	2.9
WSW	1.0											1.5	2.2
W	.7	.3		.7								1.3	5.4
WNW	1.0	.6	.6	.6								2.9	6.6
NW	1.3	2.3	1.7	2.3	.3							8.1	5.9
NNW	3.2	2.0	3.2	2.0		.7						12.6	7.6
VARBL													
CALM												17.1	
	23.2	22.6	21.9	14.2	.6	.7						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 229-1 DALLAS, TX STATION NAME 73-00 YEARS JAN  
CLASS ALL WEATHER MONTH 03  
CONDITION 03 HOURS (LST) 03

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	4.5	2.3	.3							11.0	7.9
NNE	1.2	1.0	1.3	.3								5.5	5.3
NE	1.3	.6										1.9	4.7
ENE	1.3	.7										1.5	3.4
E	1.6	.5	1.3									3.2	4.3
ESE	.3	.6	1.3									2.3	6.6
SE	1.6	1.3	.6									3.2	4.5
SSE	.0	1.3	1.5	.3								3.7	6.3
S	1.6	1.9	4.2	3.9	1.0							14.5	9.5
SSW	2.3	1.2	2.6	1.0								7.7	6.5
SW	3.2	.3										3.5	2.4
WSW	.7	.6										1.0	3.0
W		.0	.3									1.0	5.7
WNW	.3	.3	1.2	.7		.3						2.7	9.1
NW	1.2	2.3	1.0	1.3								6.5	7.0
NNW	1.7	2.7	1.7	4.2	1.3							12.3	9.3
VARBL													
CALM												17.7	
	21.0	22.4	22.3	13.5	2.6	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-07 YEARS JAN  
ALL WEATHER MONTH 09  
 CLASS HOUSE (LBY)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.2	5.2	3.2	.6							14.9	8.4
NNE	1.2	1.3	.4		.3							3.9	5.3
NE		2.3	1.1									3.2	6.3
ENE		.4	.2									1.3	6.0
E	1.2	2.3										3.2	4.1
ESE		1.1	1.1									2.3	5.4
SE	.1	.4	.7	.6								1.9	8.2
SSE	1.1	1.4	2.4	.6								6.1	6.9
S	2.9	4.5	4.2	2.6	.3							13.9	7.0
SSW	2.2	2.3	1.0	2.9								9.7	7.3
SW	.3	.6		.3	.3							1.8	8.4
WSW	.2	.3										1.0	2.7
W	2.4	.5	.6	.3								3.2	5.4
WNW			1.1	.6		.3						2.3	12.3
NW	.8	1.4	1.1	1.9	1.2							6.1	10.1
NNW	.4	2.3	4.2	3.2	1.3	.3						11.9	10.1
VARBL													
CALM												13.0	
	10.5	24.8	25.2	16.5	3.9	.6						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 317

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, TN YEAR 1932 MONTH JAN  
CLASS ALL WEATHER HOURS (LST) 12  
CONDITION \_\_\_\_\_

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.7	2.0	4.2	1.7	.7						12.0	10.8
NNE	.7	1.7	2.7									4.5	6.5
NE	.7	1.7	.7	.3								2.9	5.8
ENE		2.7	1.7									3.6	6.1
E	.7	.7	.7									1.7	4.4
ESE	1.7	.7	.7	.3								2.3	5.6
SE	1.7	1.7	1.0	.6								5.1	5.2
SSE	.7	2.7	3.0	1.3								9.4	6.6
S	1.7	2.7	5.2	5.2	1.0	.3						15.5	9.9
SSW		.7	1.7	1.6	.6	.7						4.9	13.2
SW	.7	.7	1.7	1.3								3.6	8.8
WSW	1.7	1.7	.7	.6		.7						3.6	6.1
W	1.7	1.7	.7	1.0								3.5	7.3
WNW	1.7	.3	1.7	.6		.7						3.6	8.7
NW	1.7	.3	2.7	1.6	1.0	.7						7.4	10.0
NNW	.7	1.7	4.2	2.9	1.9	.7						10.4	10.4
VARBL													
CALM												4.5	
	17.3	27.0	20.4	21.7	5.0	2.7						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 309

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27201 DALLAS, TX STATION NAME 73-52 YEARS JAN  
MONTH 13  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	4.2	7.9	.7							12.0	8.5
NNE	1.0	1.6	1.3	.3								4.2	6.1
NE	.6	1.3	.4	.7								2.0	5.6
ENE		.7	1.6									1.0	5.2
E	1.0	1.6	.6	.3								3.1	5.6
ESE	.6	1.3	1.0									2.9	5.3
SE	1.7	1.7	1.4									3.7	5.4
SSE	2.7	2.9	2.2	2.3	.6							11.0	7.7
S	1.0	2.6	5.1	3.5	1.3	.6						15.2	10.0
SSW	.3	1.0	1.7	1.3		.2						4.2	10.1
SW		.4	.3	1.0								1.0	9.2
WSW	.7		1.0	.6	.6							2.6	11.1
W	.6	1.0		1.0								2.6	7.5
WNW		1.0	.6	1.3	.6	.7						3.9	11.8
NW		1.0	2.5	1.6	1.9							8.4	10.7
NNW	.7	1.0	4.2	5.6	1.0							12.3	11.1
VARBL													
CALM												6.1	
	10.7	22.3	30.3	23.2	6.5	1.7						100.7	5.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-50 YEARS JAN  
ALL WEATHER MONTH 1  
 CLASS NOV 1951  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	7.5
NNE	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	6.3
NE	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	3.9
ENE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.4
E	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.2
ESE	1.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.8
SE	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	5.2
SSE	3.0	3.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	6.0
S	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	6.3
SSW	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	4.9
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.7
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.4
WNW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0
NW	1.0	0.0	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	9.8
NNW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	6.4
VARBL												0.0	
CALM													
	27.0	70.0	23.0	13.5	0.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 310



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-52 MONTH JAN  
CLASS ALL WEATHER HOURS (L.S.T.) 21  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	2.7	2.6	.7							15.4	4.1
NNE	1.3	2.3	.7	.6								5.9	4.9
NE	1.0	1.7	.7	.7								4.7	4.6
ENE	.6	.7	.7									1.9	4.6
E	1.6	1.6	1.0									4.5	5.7
ESE	.6	2.2	.7									3.2	4.7
SE	1.7	1.7	1.7									4.5	4.9
SSE	1.7	2.6	2.0	2.0								9.4	3.6
S	2.3	6.7	4.2	2.3								12.4	7.0
SSW	.7	1.0	.7	.6								3.5	6.0
SW	.7											.6	2.5
WSW	1.3	.7	.7									1.0	3.7
W	.7	1.6	.6									1.5	6.0
WNW	1.7	1.6	.6	.7								3.6	5.7
NW	1.7	3.6	2.3	1.0	.6							7.4	0.3
NNW	1.7	.6	2.3	2.0								7.4	4.6
VARBL													
CALM												17.4	
	15.4	22.7	21.6	14.5	1.0							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24154, T STATION NAME 73-00 YEARS 34  
 CLASS ALL WEATHER HOURS (LST) ALL  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.2	4.1	3.3	.5	.1						13.6	1.4
NNE	1.2	1.2	.2	.3	.1							4.4	5.5
NE	1.1	1.7	.4	.1								3.1	4.2
ENE	.2	.7	.1									1.0	5.7
E	1.7	1.3	.2	.1								3.1	4.8
ESE	.4	1.2	.7	.1								2.4	5.4
SE	1.2	1.3	.7	.7								3.6	5.4
SSE	1.2	2.2	2.1	1.3	.1							7.8	7.1
S	1.2	3.4	4.4	2.0	.5	.1						13.8	6.2
SSW	1.4	1.7	1.2	1.3	.1	.1						6.8	7.1
SW	1.2	.4	.1	.4	.3							2.1	7.3
WSW	.1	.4	.1	.2	.1	.1						1.2	5.8
W	.2	.7	.4	.4								1.7	6.4
WNW	.2	.2	.2	.4	.1	.2						2.1	6.4
NW	.4	1.2	2.1	1.2	.7	.1						7.4	9.7
NNW	1.2	2.2	3.4	3.4	.4	.1						11.7	9.1
VARBL													
CALM												12.4	
	13.2	24.5	24.7	16.3	2.9	.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2879

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-2 YEARS 1961-1962 PERIOD 1961-1962  
CLASS ALL WEATHER MONTH NOV  
CONDITION NOV HOURS (LST) 00

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	2.1								9.9	7.4
NNE	1.4	.7	1.4									3.5	5.2
NE	.7	1.4	.4									2.5	4.3
ENE		.4										.4	5.0
E	2.0	1.4	1.4	.6								5.7	5.1
ESE	.4	1.4	.4	.7								2.2	7.5
SE	1.1	2.1	.7	.4								4.3	5.1
SSE	1.1	1.1	.7	1.1								3.7	4.9
S	2.2	3.7	6.4	3.1	1.4							22.7	9.2
SSW	1.7	1.4	1.1	1.4								8.2	5.6
SW	.1	.7										2.2	2.5
WSW	.7	.4	.4									1.4	5.0
W		.7		.7								1.4	7.5
WNW		.7	.7	1.1								2.5	2.9
NW	.4	1.4	1.7	1.1								6.4	6.8
NNW	1.4	3.5	2.1	2.5	.7							10.3	5.1
VARBL													
CALM												12.1	
	1.4	24.1	19.6	20.2	2.1							119.0	6.3

TOTAL NUMBER OF OBSERVATIONS 222

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 23-02 YEARS FEB  
 CLASS ALL WEATHER MONTH 03  
 CONDITION 03  
 HOURS (LST) 03

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.3	2.5	1.2								9.9	6.9
NNE	.4	1.1	1.1									2.5	6.0
NE	1.4	.4	.4		.4							2.5	5.6
ENE		.4	.4									.7	7.7
E	1.4	.7										2.1	3.2
ESE	.7	1.1	1.1	.7								3.0	6.8
SE		.4	.7									1.1	7.3
SSE	.4	2.5	3.2	.4								6.4	7.6
S	3.0	3.2	3.5	7.1	1.4							19.1	9.7
SSW	1.2	3.5	3.5	1.1								11.3	6.3
SW	2.5	1.1	1.1									4.6	4.2
WSW	1.1	.7			.4							3.1	5.3
W	1.4	.7	1.4	1.1								4.6	7.2
WNW	.4	.7	.7	.7								2.5	4.7
NW	1.4	1.4	.4	1.1								4.3	6.1
NNW	2.7	3.2	2.5	2.5	.4	.4						11.3	7.9
VARBL													
CALM												11.3	
	22.7	25.2	22.3	16.3	2.5	.4						110.7	6.4

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DA-LOS, TX STATION NAME 73-52 YEARS FEB  
CLASS ALL WEATHER MONTH 09  
CONDITION HOURLY (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.4	4.5	1.6	.7							8.7	10.1
NNE	1.4	2.0		.4								4.5	5.0
NE		1.4	.4	.4								2.1	7.0
ENE													
E	2.1	.4	1.4									3.9	4.7
ESE	.7	2.1	1.4	.4								4.5	6.3
SE	.4	1.4	2.1									4.3	6.4
SSE	1.4	1.4	2.1	1.4								7.4	7.4
S	2.1	2.0	4.5	5.0	1.4							17.4	9.4
SSW	1.4	3.2	3.2	2.1								9.0	7.3
SW		.4	1.4	.4								1.2	5.4
WSW	.4			.4								.7	8.5
W	.4	.7	1.4	1.4								3.2	9.7
WNW	.4	.4	1.4	1.4	.4							3.0	10.5
NW	1.4	1.4	3.2	2.1	.7							9.1	8.9
NNW	1.4	1.4	3.2	2.0	.4							10.3	8.7
VARS													
CALM												7.4	
	14.9	22.0	31.0	20.6	7.9							10.0	7.6

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 139 CALLAS, TX STATION NAME 19-27 YEARS 1951  
CLASS ALL WEATHER MONTH 12  
CONDITION 100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.2	1.1	2.1	.4							3.8	7.4
NNE	1.1	1.1	1.1									3.2	5.3
NE	1.1	1.4										2.5	3.9
ENE	.7											.7	1.0
E	.4	.4	1.1									1.8	6.2
ESE	.7	.7	.4	.7								2.5	6.7
SE	1.1	1.1	.7									2.9	5.3
SSE	1.1	1.1	3.2	.4								7.1	6.9
S	2.1	3.5	5.1	4.3	.7							16.7	8.4
SSW	5.7	3.2	3.2	1.1								12.5	5.5
SW	2.4	1.4										3.7	3.3
WSW	.4											.4	2.1
W	.4		1.5	.4								2.5	4.0
WNW	.4	1.1	2.4	1.1	.4							6.4	8.8
NW	1.4	3.5	1.1	.7								7.4	6.3
NNW	1.4	1.1	2.8	2.8	.4							8.5	9.5
VARBL													
CALM												12.4	
	22.0	24.5	25.0	13.5	1.8							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 292

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 73-74 MONTH FEB  
CLASS ALL WEATHER HOURS (LST) 12  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	3.2	2.1	.4	.4						8.9	7.6
NNE	1.4	1.1	.7	.7								3.9	6.2
NE		.7	.7									1.4	6.5
ENE	.4		.4									.7	5.5
E	1.1	1.4	1.1		.4							3.0	6.2
ESE	1.1	1.4	.4	.4								3.2	5.3
SE	.4	2.1	1.1	.7								5.0	6.8
SSE	1.1	2.5	1.1	1.1	.4							8.2	7.6
S	2.1	2.1	4.7	4.5	1.8	1.1						25.6	12.7
SSW		.7	2.1	2.4								6.4	12.1
SW			1.4	.7								2.1	12.7
WSW		1.1	.4	.4								1.8	6.6
W	.4	.7	1.1	.7	.7							4.3	6.7
WNW	.4	.4	2.1	2.5	.7	.7						6.7	12.2
NW		4.1	2.1	2.1	1.4							8.5	12.4
NNW		1.1	4.3	4.6								9.7	9.8
VARBL													
CALM												4.6	
	17.6	18.4	30.5	24.0	5.7	2.1						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 242

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 13-92 YEARS 15  
CLASS ALL WEATHER  
CONDITION 15  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	2.0	1.4	1.1	.4						7.8	10.7
NNE	1.1	1.1	.7	.7								3.5	7.2
NE	.4	.7	1.4									2.5	6.6
ENE	.4	.7	.7									1.8	6.0
E	.4	1.1	.4									1.3	5.0
ESE	.4	.7	.7	.4								2.1	7.0
SE	1.1	1.1	.7	.7								5.0	5.6
SSE	.7	1.1	3.2	1.4	.4							7.4	8.8
S	2.0	1.1	7.1	6.0	1.1	1.4						22.7	11.0
SSW	.7		.4	1.4								2.5	9.9
SW	.7	1.1	.7	1.8			.4					4.6	10.5
WSW	.4		1.4	.4								2.1	9.0
W		2.1	2.5	1.1	.7							6.4	9.5
WNW		1.1	2.5	2.1								5.7	9.6
NW	.4	.4	2.5	2.3	.7	.4						7.1	12.1
NNW	.7	2.1	3.5	3.5	1.1	.4						11.3	10.5
VARBL												5.7	
CALM													
	17.6	17.0	52.3	25.6	5.0	2.5	.4					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 282

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 115 STATION NAME ALL WEATHER YEARS 19-22 FFP 10  
 CLASS 10  
 HOURS (LST) 10  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	4.0	5.2	2.3	.4							14.5	7.7
NNE	1.1	2.1	1.4									4.6	5.2
NE	.4			.4								.7	6.5
ENE	.4	2.1										2.5	4.6
E		1.2	.4									2.1	5.0
ESE	1.4	2.2	1.4									5.3	4.9
SE	2.5	2.1	1.2	.4								7.1	5.3
SSE	1.5	3.2	5.0	1.2								11.7	7.4
S	1.1	3.3	4.0	5.2	1.4	.4						16.1	9.6
SSW	1.1	2.1	.7									3.9	4.6
SW	.4	.7		.4								1.4	6.5
WSW		.7										.7	4.5
W	1.1	1.1	.4	.7	.4							3.0	7.5
WNW	.4		.4	2.1								2.4	11.3
NW	.4	1.5	2.2	1.2	1.1	.4						8.9	10.2
NNW	.4	2.0	4.6	1.4	1.1							10.3	4.9
VARBL													
CALM												3.7	
	17.3	31.6	22.1	16.7	4.3	.7						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 202

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-92 YEARS 1973  
 ALL WEATHER CLASS 21  
 CONDITION 21  
 HOURS (LST) 21

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	5.2	2.5	1.4								12.1	6.7
NNE	.4	.7	.7	.4								2.1	6.5
NE	.4	1.1	.7									2.1	6.7
ENE	1.1	.7										2.5	2.6
E	2.5	3.5	1.1									7.1	4.6
ESE	1.1	1.1	.7									3.5	5.0
SE	1.1	1.4	.7	1.4	.4							5.7	7.1
SSE	1.1	4.3	3.5	2.1								11.7	7.3
S	1.1	4.3	5.3	3.0	.4							15.6	8.3
SSW	1.4	1.1	.4	.4								3.2	4.8
SW	.4	1.1										1.4	4.3
WSW	.4	.4										.7	3.5
W	.4	.7	.7		.4							2.1	6.2
WNW	.4	1.1	1.1	.7								3.2	4.3
NW	1.1	2.5	1.4	1.1	.4							7.1	7.3
NNW	.7	3.2	1.4	2.1	1.1	.4						8.9	9.4
VARB													
CALM												11.0	
	12.1	32.3	21.3	13.5	2.5	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DAVIS, IS STATION NAME 73-02 YEARS 1973-02 PER MONTH ALL

CLASS ALL WEATHER

ORIGIN ALL

MOON (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	3.5	2.3	.4	.1						9.9	9.1
NNE	1.2	1.3	.9	.3								3.5	5.7
NE	.5	.7	.4	.1	.1							2.1	5.4
ENE	.4	.5	.2									1.2	4.2
E	1.2	1.3	.3	.2	.1							3.5	5.3
ESE	.2	1.4	.2	.4								3.2	6.0
SE	1.2	1.4	1.2	.4	.1							4.4	6.0
SSE	1.7	2.3	2.2	1.3	.1							8.0	7.5
S	2.5	3.3	5.1	6.4	1.2	.4						12.6	9.6
SSW	2.1	1.2	1.7	1.3								7.3	6.5
SW	1.1	.2	.5	.4			.3					2.9	6.3
WSW	.4	.4	.3	.1	.1							1.2	6.0
W	.7	.2	1.2	.2	.3							3.6	8.6
WNW	.7	.2	1.4	1.5	.2	.1						4.2	10.1
NW	1.1	1.7	2.2	1.6	.5	.1						7.4	8.7
NNW	1.1	2.3	3.1	2.3	.6	.1						10.1	9.0
VARB													
CALM												8.4	
	16.7	24.5	26.6	19.4	3.5	.4	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 2256

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 77-62 YEARS 1964 MAP 00  
MONTH 00  
HOURS (LST) 00  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	2.0	.3							7.1	8.3
NNE	1.0	1.0	1.0									3.0	5.3
NE	1.0	1.0	.3									2.3	4.3
NNE	.3		.3									2.0	3.7
E	.3	2.0	1.0									4.6	5.6
ESE	.3	1.0	1.0	.3								3.0	7.5
SE	.3	1.0	2.0	2.0								8.1	8.6
SSE	1.0	2.0	2.0	5.0	.3							11.3	9.5
S	1.0	1.0	5.0	11.3	1.0							20.0	11.1
SSW	2.0	1.0	1.0	.3								7.1	5.2
SW	1.0											1.0	2.2
WSW	.3		.3		.3							1.0	8.0
W	.3		.3	1.0		.3						3.0	11.3
WNW		.3	1.0	1.0	.3							3.0	10.2
NW	.3	1.0	1.0	.3								4.0	7.5
NNW	.3	2.0	1.0	1.0	.3							5.0	8.1
VARB													
CALM												9.7	
	16.0	19.0	24.0	26.1	3.2	.3						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 77-2 YEARS 1960 MONTH 07  
CLASS ALL WEATHER HOURS (L.S.T.) 07  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.0	1.0	1.0	.3							7.1	6.7
NNE	1.0	.5	1.0									3.2	6.1
NE	1.0	.5										1.3	3.3
ENE		1.0										1.9	5.2
E	.5	.5	1.0									2.3	5.6
ESE	.2	2.3	.5	1.0								4.6	7.8
SE	.5	1.5	2.3	1.0								6.5	8.7
SSE	1.0	1.5	2.0	3.2	.3							8.7	9.1
S	1.5	2.0	5.2	2.4	1.6							11.3	10.2
SSW	1.0	2.0	2.3	1.0								9.4	6.3
SW	1.0	1.5	.3									2.8	4.0
WSW	.5											.3	2.0
W	1.5	.5	.5	.5	.3							3.2	7.8
WNW	.5	.5	1.0	1.3	1.0							4.8	11.3
NW	.5	1.0	.5	1.6	.3							3.0	8.7
NNW	1.0	2.3	1.3	2.3	.6							7.7	9.0
VARIABLE													
CALM												10.0	
	15.2	21.0	22.4	23.5	4.5							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WALLAS, TN STATION NAME 78-42 YEARS 1940  
ALL WEATHER MONTH 06  
 CLASS 06  
 CONDITION 06

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	3.0	.6	.3							6.0	8.0
NNE	.7	.4	.7									1.6	6.2
NE	.7	2.1	.3									2.9	5.2
ENE	1.7	.6	.3									1.0	4.6
E	.3	1.0	1.7	.3								3.0	6.0
ESE	.6	1.6	1.3									3.5	5.7
SE	.3	1.3	1.0	1.3	.3							4.2	9.3
SSE		2.6	2.7	2.7	.3							7.4	9.2
S	1.6	3.5	3.5	2.4								20.3	9.5
SSW	1.6	2.6	3.2	1.0								10.6	6.8
SW	7.6	1.7										7.9	2.6
WSW	1.6		.6									2.6	3.8
W	.6	.6		1.0								2.3	7.3
WNW		.6	1.0	.6								2.3	8.6
NW		.6	1.0	1.0	.3	.3						3.2	11.6
NNW	2.3	4.2	1.3	2.0	.3	.3						11.0	7.9
VARBL													
CALM												11.0	
	17.4	25.3	22.2	20.3	1.6	.6						110.0	6.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1961-62 MONTH: NOV  
CLASS: ALL WEATHER  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	2.3	1.6	.3	.3						6.1	5.4
NNE	1.3	.3	1.3	.3								2.3	6.3
NE		1.3	.3	.3								1.6	6.6
ENE	.3	1.3	1.3	.3								2.3	6.3
E		1.3	1.3	1.3	.3							4.3	7.7
ESE	1.3	1.3	1.3	1.3								4.3	7.7
SE	.3	1.3	1.3	1.3	.3							4.3	9.2
SSE	2.3	1.3	2.3	1.3	.3							5.7	7.5
S	1.3	2.3	4.3	3.4	2.6							12.1	11.0
SSW	.3	.3	3.4	1.3	.3							5.4	6.3
SW	.3	.3	1.3	.3								3.4	7.3
WSW			.3	.3								.3	9.5
W	.3	.3	1.3	.3		.3						3.7	9.9
WNW		.3	.3	1.3	.3	.3						3.7	12.6
NW	.3	.3	.3	2.3	.3							5.5	11.9
NNW	.3	2.3	3.4	3.4		.3						10.3	6.6
VARBL													
CALM												3.4	
	11.3	21.3	30.7	27.7	5.3	1.3						10.3	5.9

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 77-82 MONTH 4-5  
CLASS ALL WEATHER HOURS (LST) 17  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.0	.0	2.0	.5	.7						3.4	10.3
NNE	.2	2.2	1.0	.3								2.7	6.3
NE		1.0	1.7	.3								2.0	7.5
ENE		.0	.0									1.0	6.6
E	.4	1.3	1.0	1.7								3.4	7.4
ESE	1.0	1.0	2.6	1.7								6.3	7.9
SE	.0	1.7	1.0	1.7								3.0	7.4
SSE	1.0	3.7	2.0	3.7	.3							12.0	6.7
S	1.0	.0	2.0	4.4	4.5	.4						11.0	12.8
SSW	.0	.3	2.7	2.6	.6	.7						6.9	12.2
SW	.0	.7	.0	.4	.6	.7						2.4	10.8
WSW			.0	1.3	.6							2.0	14.1
W	.3	.0	.0	1.3	.3	.7						3.0	11.6
WNW	.0	.0	.7	1.0	.6	.7						2.6	12.2
NW	.0	.3	1.0	3.0	.4							4.6	11.7
NNW	.0	1.0	1.0	3.0	.6							7.6	11.7
VARBL												.0	
CALM												.0	
	2.7	17.1	24.0	33.5	9.7	1.0						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 110



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72-21 STATION NAME ALL WEATHER YEARS 1954-1955 MONTH 12  
CLASS CLAS HOURS (L.S.T.) 12  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	2.3	1.9	.6	.3						5.4	11.1
NNE	.3	1.3	1.6									2.9	7.1
NE		.6										.6	5.0
ENE	.3	1.3	1.7									2.9	5.0
E	1.3	1.3	1.7	1.9	.3							4.6	7.7
ESE	1.3	1.3	.6	2.2								4.4	8.4
SE	1.3	.3	1.3	1.3								3.9	6.1
SSE	.3	1.3	.9	5.5	.6							13.2	10.5
S	.3	1.3	2.3	11.7	5.2	.3						22.3	13.3
SSW		.3	.6	1.3	.6							2.9	12.7
SW			1.3	1.9	.3	.3						2.9	13.3
WSW	.3	1.3	.3	2.3	.6							4.5	11.1
W	.3		1.3	2.3	.3	.3						4.2	11.6
WNW		.3	.6	1.3	1.3							2.9	12.7
NW			1.3	3.5								4.2	11.6
NNW	.3	2.3	1.3	4.2	1.3	.3						11.7	11.5
VARBL													
CALM												7.3	
	5.7	10.2	22.3	41.2	11.9	1.2						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALLAS, TN STATION NAME 73-42 YEARS 1984  
ALL WEATHER  
 CLASS 1A  
 HOURS (LST) 18  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	2.0								9.0	8.0
NNE		.7	1.7	.3		.7						2.3	10.6
NE	.4		1.0									2.3	6.3
ENE	1.0	1.0	.6									3.6	4.5
E	.5	2.0	1.7	.6								5.8	6.2
ESE	.6	1.0	1.3	2.3								5.6	8.4
SE	1.0	1.7	3.5	1.5								8.1	7.5
SSE	.7	3.2	5.2	5.5	.6							14.8	9.7
S		1.6	2.0	7.7	1.6	.4						16.6	12.6
SSW	.4	1.0	.6	.6	.7							3.9	7.6
SW	.7	.6	.4	.3								1.7	6.8
WSW			1.7	1.6								2.9	11.3
W		.7	1.3	1.0	1.0							3.5	12.1
WNW	.2	1.0	1.7	1.0	1.0							4.5	10.6
NW		1.0	1.0	1.0		.7						3.7	10.0
NNW	.7	1.0	2.0	4.0	.6							9.0	10.5
VARBL													
CALM												2.9	
	7.1	21.6	23.7	31.9	5.5	1.3						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALLAS, T. STATION NAME 13-02 YEARS MAR  
MONTH 21  
HOURS (L.S.T.) 21  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	2.6	.3							9.4	9.0
NNE	2.0	1.6	.3									4.2	3.8
NE	1.0	1.0	.3									2.9	4.4
ENE	1.6	1.0	1.0									3.9	5.3
E		1.9	1.0	.3								3.5	6.4
ESE	1.0	1.6	2.6	1.0	.3							6.4	7.1
SE		2.3	1.0	1.0								5.2	7.9
SSE	1.0	1.0	5.2	5.8	.6	.3						14.4	10.1
S	2.0	1.0	5.8	5.5	1.0	.6						17.4	10.2
SSW	1.0	1.0	.3									3.5	4.2
SW	.3	.6	.6	.6								1.5	7.0
WSW		.3	.3		.6							1.3	13.3
W	.6	.3		.6	.3							1.9	8.8
WNW		1.6		.6	.3							2.6	8.9
NW	.3	1.0	1.0	1.0	.3							4.2	6.5
NNW	1.0	2.3	1.0	1.0								5.8	6.7
VARBL													
CALM												11.0	
	15.2	23.2	25.2	20.3	4.2	1.0						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEARS 72-73 MAP NORTH

CLASS ALL WEATHER HOURS (L.S.T.) ALL

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	1.0	.4	.1						7.8	8.7
NNE	.3	1.0	1.2	.1		.1						3.2	6.2
NE	.2	.0	.0	.1								2.1	5.4
ENE	.9	1.0	.0	.0								2.0	5.3
E	.0	1.7	1.7	.6	.1							4.3	6.9
ESE	.4	1.0	1.0	1.3	.0							5.3	7.7
SE	.6	1.0	2.0	1.5	.1							5.5	8.3
SSE	1.0	2.3	3.0	4.2	.5	.0						11.6	9.4
S	1.0	2.3	4.5	3.0	2.3	.3						19.7	11.3
SSW	1.0	1.0	1.7	1.2	.2	.0						6.7	7.4
SW	.0	.0	.0	.4	.1	.0						2.0	6.7
WSW	.0	.2	.4	.7	.3							2.0	10.1
W	.0	.4	.7	1.1	.2	.0						3.1	10.4
WNW	.1	.7	.0	1.0	.6	.1						3.4	11.2
NW	.2	.7	1.2	2.0	.2	.1						4.5	10.6
NNW	.0	2.2	2.0	2.9	.5	.1						4.6	9.4
VARBL													
CALM												6.7	
	12.0	20.5	23.6	24.1	5.6	1.0						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 2480

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS APR  
ALL WEATHER MONTH 00  
 CLASS 00  
 CONDITION 00  
 HOURS (LST) 00

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	1.7	.3								5.3	5.6
NNE	1.7	.3	2.7	.3								4.0	6.6
NE	.7	1.0										1.7	4.0
NNE		1.0	1.0									2.0	6.6
E	.7	.7	1.7	.3								3.0	7.0
ESE	1.7	2.7	2.7	.3								6.3	6.1
SE	1.7	1.0	2.3	1.0	.7							6.3	8.6
SSE	.7	1.7	4.7	5.7	.7							13.0	10.9
S	1.0	3.3	6.7	7.0	1.3							21.3	9.0
SSW	4.7	2.3	1.0	.3								8.0	4.8
SW	1.7	.3										1.7	2.8
WSW		.3										.3	5.0
W	.3	.7										1.0	5.0
WNW	.7	1.7	.7	.3								3.3	3.7
NW	1.7	1.0	1.3	1.0								4.7	6.5
NNW	1.7	2.7	.7	.7	.3							6.0	6.4
VARBL													
CALM												12.0	
	13.0	24.0	24.7	17.3	3.0							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS APR  
ALL WEATHER MONTH 03  
 CLASS HOURLY (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.7	1.3	1.3	.7							7.0	6.7
NNE	1.3	1.3	1.3									3.7	4.9
NE	.7	.7	.3	.3								1.7	5.0
ENE	.3	1.3	.3									2.0	4.7
E	.3	1.3	.3	.3								2.3	6.7
ESE	1.3	1.3	.3									2.7	3.4
SE	1.3	1.3	2.3	1.3								6.3	7.9
SSE	.3	2.7	3.7	3.7	.3	.7						11.0	9.7
S	2.3	3.3	6.3	6.7	.7							23.3	9.5
SSW	1.3	3.3	2.7	1.3								9.7	3.8
SW	2.3											2.3	2.3
WSW	1.3		.7									2.0	3.5
W	.3	1.3	.7									2.0	6.0
WNW		1.3	.3									1.7	5.8
NW	1.3	1.3	1.3	1.3	.3							5.0	8.1
NNW	1.3	1.3	1.3									4.7	5.1
VARBL													
CALM												13.7	
	19.3	22.7	24.0	18.3	2.0	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

8MOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 13-AC YEARS APR  
MONTH 06  
HOURS (L.S.T.) 06  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	2.0	1.1								6.0	7.0
NNE	1.2	.3	.3	.7	.3							2.7	7.9
NE			.7									.7	7.0
ENE	.7	1.0	1.0									2.7	6.0
E	1.0	1.0	1.7									1.7	5.5
ESE	1.7	1.3	2.0	.7								5.0	7.0
SE	1.3	2.0	1.7	1.3								6.0	6.7
SSE	1.0	3.0	5.0	1.7		.3						11.0	8.2
S	1.7	5.3	8.7	4.7								20.3	8.3
SSW	2.3	3.3	2.3	.3								8.3	5.6
SW	4.0	.7	.3									5.0	3.1
WSW	.3	.7	.3									1.3	4.5
W	1.0	.3	.7	.3								2.3	5.9
WNW		2.0	1.0	1.3								4.3	8.9
NW	.7	1.3	1.1	1.0								4.0	7.3
NNW	2.3	.7	.3	1.0								4.3	5.3
VARBL													
CALM												12.3	
	12.7	24.3	22.0	14.0	.3	.3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 300

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS APR  
CLASS ALL WEATHER MONTH 09  
CONDITION MOVES (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	2.0	1.7	.7							6.3	9.2
NNE	1.3	.7	1.7	.7								4.3	7.0
NE	.7	.3										.7	4.5
ENE	.7	.3	1.0	.3								2.3	6.4
E	1.7	.7	2.0	1.3								5.7	7.5
ESE	.7	1.7	1.7	1.7								5.3	8.5
SE	.7	1.7	3.0	1.7		.7						7.3	8.6
SSE	2.3	2.0	5.3	3.7	.7							14.0	8.9
S	1.7	3.3	8.0	6.3	1.0							19.7	9.5
SSW	.7	2.7	4.0	2.7								10.0	6.1
SW	.7	.7	1.5									2.3	6.3
WSW	.7			.7								1.0	9.7
W	.3	.7	1.0			.7						2.3	9.0
WNW			1.5	1.3								2.3	11.7
NW	.7	.7	1.0	3.3	.3							5.7	11.2
NNW	1.7	1.3	1.3	1.0	.3							5.7	7.8
VARBL													
CALM												5.0	
	13.0	14.0	34.0	26.3	3.0	.7						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-57 YEARS 1950  
CLASS ALL WEATHER HOURS (LST) 12  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.7	2.7	1.3							7.7	12.8
NNE	1.7	.7	1.7	1.3								4.1	7.7
NE		1.7	.7									1.7	5.4
ENE	.3	.3	.3									1.0	5.7
E	.7	1.3	1.3	.3								3.7	5.3
ESE	.7	1.7	2.0	1.0								4.3	6.1
SE		1.7	3.0	1.0								5.7	6.2
SSE	1.7	1.7	6.7	5.7	.7	.3						16.7	9.9
S	1.7	2.7	9.3	17.0	2.3	.7						26.7	11.2
SSW	.1	.3	1.7	2.3		.3						4.3	11.0
SW		.7	1.7	.7	.3							2.3	10.7
WSW		.7										.7	5.0
W		.3	1.7	1.7	.3	.7						4.3	12.1
WNW		1.7	.3	1.0								2.7	8.9
NW			1.7	2.0	.7							4.3	12.2
NNW	1.7	1.7	2.3	2.3								7.0	8.6
VARS													
CALM												3.7	
	7.3	15.7	34.0	32.0	5.7	1.7						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0741 DALLAS, TX STATION NAME 73-02 YEARS 1955  
 CLASS ALL WEATHER MONTH 15  
 CONDITION 15  
 HOURS (LST) 15

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.7	2.3								4.0	11.2
NNE		1.0	1.7	.3								2.3	7.7
NE		.1	1.0	.7								2.0	9.2
ENE	.7	.7	.7									2.0	6.0
E	.7	1.3	1.7	1.0								4.7	7.8
ESE	1.0	1.0	1.7	.7	.3							4.7	7.6
SE	1.3	2.7	3.3	1.3	.3							9.0	7.8
SSE	2.7	4.7	7.7	7.7	.3	.3						22.7	9.3
S	.7	1.7	8.0	8.7	1.3		.3					20.7	11.0
SSW	.3	.7	1.7	1.0								3.0	8.6
SW		.7		.7								1.0	9.7
WSW	.7				.3	.3						1.0	14.7
W	.3	1.0	1.0	1.0								3.3	5.4
WNW	.7	.3	1.7	1.7	.3							4.7	9.4
NW		1.7	1.0	2.7								5.3	9.3
NNW	.3	.3	3.7	3.7								8.0	10.5
VARBL													
CALM												2.3	
	6.0	17.7	34.7	33.3	3.0	.7	.3					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72-52 STATION NAME ALL WEATHER YEARS 1973-82 APC 10  
MONTH 10  
HOURS (LST) 10  
CLIM ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	3.0	1.7								6.7	8.3
NNE	1.7	2.0	2.0	.3								5.3	6.6
NE												.7	12.0
ENE		.7	.3	.3								1.7	7.8
E	1.7	2.0	2.0	.3								6.0	5.3
ESE	1.7	2.0	1.7	.7	.7							8.1	8.3
SE	.7	1.0	7.0	4.2	.3							12.7	9.8
SSE	.7	5.7	5.3	6.3	1.0							16.3	10.1
S	1.7	4.7	7.7	4.3	.3							18.0	8.8
SSW		.7	.7		.3							1.7	8.2
SW		.7	.3	.3								1.7	8.5
WSW		.7		.3								.7	8.2
W	.7	.3		.7								1.0	6.3
WNW		1.0	1.3	1.3	.7							4.1	10.1
NW	.7	.7	1.3	.7	.7							4.0	8.7
NNW	.7	2.7	2.3	1.7								7.0	8.1
VARBL													
CALM												3.1	
	7.7	23.3	39.0	23.3	3.7							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 770

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 37801 DALLAS, TX STATION NAME YEARS MONTH 1970  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	1.7	1.7								6.3	7.5
NNE	1.7	1.7	1.7									4.3	5.2
NE	1.7	.7	.7									3.7	3.3
ENE	1.7	1.3	.7									3.3	4.2
E	1.7	2.7	2.7	.7	.3							7.2	5.9
ESE	1.7	2.7	2.7	.7	.7							7.7	6.2
SE	1.7	5.7	6.7	3.7	.3							16.7	8.1
SSE	2.7	4.7	7.7	2.3	.7							17.7	7.9
S	2.7	3.7	4.7	2.7	1.3							14.7	6.6
SSW	.7		.7	.3								1.3	5.8
SW		.3										.3	4.0
WSW	.7											.3	2.0
W	.7	1.7	.7									2.7	5.3
WNW	.7	.7	1.7	.7								2.7	5.1
NW	.3	1.7	1.7	.3								3.3	6.6
NNW	1.7	1.7	1.7		.3							4.3	6.5
VARB													
CALM												7.7	
	19.0	22.0	29.3	12.0	3.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, TN YEARS 1950-52 APD MONTH ALL

CLASS ALL WEATHER

CONDITION ALL

HOUS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	1.7	1.6	.3							6.2	6.3
NNE	1.0	.5	1.7	.5	.0							3.7	6.6
NE	.1	.5	.7	.2								1.5	5.7
ENE	.2	.6	.7	.1								2.1	5.7
E	1.0	1.3	1.5	.5	.0							4.5	6.4
ESE	1.7	1.7	2.0	.6	.2							5.4	7.1
SE	.1	2.0	3.0	1.6	.2	.0						5.7	8.3
SSE	1.6	2.2	3.7	4.6	.5	.2						15.2	9.4
S	1.7	3.5	7.6	6.5	1.0	.1	.0					20.4	9.6
SSW	1.1	1.7	1.3	1.0	.0	.0						5.1	6.8
SW	1.1	.4	.7	.2	.0							2.0	5.3
WSW	.1	.2	.1	.1	.7	.0						.3	6.9
W	.4	.7	.7	.4	.7	.1						2.3	6.1
WNW	.7	1.0	.3	1.0	.1							3.2	6.7
NW	.0	1.0	1.5	1.5	.2							4.1	6.9
NNW	1.7	1.5	1.7	1.7	.1							5.0	7.6
VARBL													
CALM												7.4	
	10.1	21.0	31.1	22.1	3.0	.5	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1961-1962 MONTH: ALL MONTHS

CLASS: ALL WEATHER

CONDITION:

OURS: 11.5

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	0.5								4.5	5.0
NNE	1.0	0.5		0.5								2.5	5.0
NE	0.5	1.0										1.5	4.0
ENE	0.5	1.0	0.5									1.5	4.0
E	1.0	1.0	0.5	0.5								3.5	5.0
ESE	1.0	1.0	2.0	0.5								6.5	7.0
SE	1.0	2.0	2.0	1.0	0.5							10.5	7.0
SSE	1.0	4.0	4.0	2.0	0.5							17.5	7.0
S	0.5	0.5	0.5	0.5	0.5							2.5	7.0
SSW	0.5	1.0	0.5	0.5								5.0	4.0
SW	1.0	1.0										0.5	2.0
WSW	1.0											1.0	2.0
W		0.5	0.5	0.5								1.5	2.0
WNW	1.0	0.5		0.5								1.5	2.0
NW	1.0	1.0	1.0	0.5								3.5	5.0
NNW	0.5	1.0	0.5	0.5								3.5	5.0
VARBL												10.0	
CALM													
	22.5	22.5	24.5	10.5	1.5							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 71

SMOS

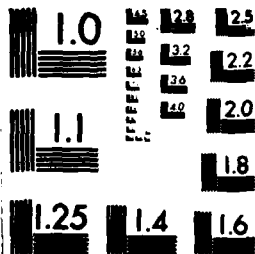
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 77-82 YEAR MAY  
CLASS ALL WEATHER MONTH 03  
CONDITION 03 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	1.9	1.0								6.5	6.6
NNE	.5	1.0	.6									2.3	5.0
NE	.6	.3	.3		.3							1.6	7.6
ENE		1.2	.6	.3								2.9	6.8
E	.5	.3	1.0	.3								2.3	7.0
ESE	.5	1.6	.6	1.3		.3						4.5	5.9
SE	1.3	1.6	3.2	.3								6.5	6.2
SSE	1.6	2.6	3.9	1.3								9.9	7.1
S	2.5	7.4	12.3	4.8								27.4	7.8
SSW	3.5	2.9	2.3	.3								9.5	9.6
SW	1.6	.3	.3									2.3	3.1
WSW	.6											.6	2.0
W	.3	.3		.6								1.3	7.3
WNW	.6	.6		.6								1.9	6.7
NW	.3	1.9	2.6		.3							5.2	7.4
NNW	2.6	1.0	.6									4.2	3.8
VARA													
CALM												12.3	
	12.0	26.5	30.3	11.0	.6	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS MAY  
CLASS ALL WEATHER MONTH 06  
CONDITION NOV 68 (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.7	.3	.3								4.8	4.1
NNE	2.0	.6	1.0	.6								4.8	5.1
NE				.3								.3	14.0
NNE	.3		.6									1.3	5.8
E	.7	1.6	.6	.3								2.9	5.9
ESE	1.6	2.3	.3									4.2	4.8
SE	.3	2.0	2.0	1.0								6.5	7.4
SSE	1.0	4.5	4.5	1.9								11.9	7.3
S	1.3	9.1	9.7	3.5								22.4	7.4
SSW	2.2	1.6	1.6	.6								6.6	5.1
SW	.6	.6										1.1	3.3
WSW	.6											.6	1.5
W	.6	.6	.6	.3								2.3	6.3
WNW	1.6		.3									1.9	3.2
NW	1.0	1.0	1.0	.6								3.3	7.0
NNW	2.3	1.6	1.0	.6								5.5	5.3
VARBL													
CALM												18.7	
	20.3	26.8	23.9	10.3								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7701 DALLAS, TX STATION NAME 73-82 YEARS MAY  
CLASS ALL WEATHER MONTH 09  
CONDITION 09 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	1.6	1.3								4.5	7.9
NNE	.6	2.9	.6	.3								4.5	5.5
NE		1.3	.3									1.6	5.8
NNE		1.3	.6	.3								2.3	7.1
E	1.6	1.3	2.6	.6								6.1	6.3
ESE	1.3	2.6	1.6	.6	.3							6.5	6.6
SE	.6	1.6	2.3	.3								4.2	7.1
SSE	2.9	2.9	5.5	1.9								13.3	7.1
S	1.6	3.9	13.9	10.4	.6							29.8	9.5
SSW	.3	1.0	2.3	1.0	.6							5.2	9.5
SW	1.3	.3										1.6	3.4
WSW	.3	.3										.6	3.0
W		.6	1.0									1.6	7.0
WNW	.3	.3	1.7	.3								1.6	8.2
NW	.3	1.0	.6	1.9								3.9	9.3
NNW	.6	1.6	1.0	1.0								5.2	7.4
VARIES													
CALM												7.1	
	12.0	23.3	35.9	20.1	1.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 309

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-52 YEARS MAY  
 ALL WEATHER CLASS 12  
 MONTH (L.E.T.) NOV  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	1.3	1.6								5.5	7.9
NNE	.6	2.3	.3	.3								3.5	5.6
NE	.3	1.5		.3								2.3	6.3
NNE	.3	.3	1.0	.3								1.9	7.0
E	1.6	1.3	1.0									3.9	5.1
ESE	1.7	1.0	1.9									4.2	6.2
SE	1.2	2.3	2.6	.6								6.8	6.9
SSE	1.7	5.2	8.4	4.2								19.0	8.2
S	2.3	5.5	9.4	11.0	.3							28.7	9.2
SSW			2.4	1.3								4.2	9.4
SW	.3		.6	.3								1.3	8.5
WSW	.3	1.0	.3	.6								2.3	6.7
W	.3	.6	1.0									1.9	6.7
WNW		.3	.6	.6								1.6	9.6
NW	.3	1.3	1.0	.6								3.2	7.5
NNW	.6	1.9	2.6	1.3	.3							6.8	7.8
VARS													
CALM												2.9	
	11.6	26.3	39.3	21.2	.6							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 310

8105

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 9791 DALLAS, TX STATION NAME 73-82 YEARS MAY  
ALL WEATHER CLASS 15  
CONDITION DOUB (L.O.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	1.9	1.3								3.9	8.8
NNE	.3	1.9	1.0									3.2	5.7
NE	.3	1.3	.3	.3								2.3	6.0
NNE	.3	.3	1.0	.3								1.9	6.3
E	1.3	1.9	1.3	.6								5.2	6.4
ESE	.3	2.3	1.9	.3		.3						5.2	7.9
SE	.6	4.2	5.5	2.6								12.9	7.8
SSE	1.6	3.2	8.7	3.5	.3							17.4	8.5
S		4.2	8.1	11.3								23.5	9.6
SSW	1.3	.6	1.9	1.0								4.3	6.9
SW		.3	.3		.3							1.0	9.7
WSW			.3	.6								1.0	11.7
W		.6	1.3	1.0								2.9	9.0
WNW	.6	1.3	1.0	.3								3.2	8.6
NW		.6	.6	.6	.3							2.3	10.3
NNW	.3	.6	2.6	2.3	.3							6.1	10.3
VARB													
CALM												3.2	
	7.4	23.7	37.7	26.1	1.3	.3						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73911 DALLAS, TX STATION NAME 73-02 YEARS MAY  
CLASS ALL WEATHER MONTH 19  
LOCATION  HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.6	.3							6.9	7.7
NNE	1.0	1.0	1.0	.3								3.5	5.3
NE	.3	.3	1.0									1.6	6.0
NNE		.6	1.0									1.6	7.2
E	.4	2.6	3.5	.6								7.4	6.9
ESE	.7	1.5	3.9	.6								6.5	8.0
SE		2.9	7.7	1.9								12.6	8.2
SSE	.6	2.9	9.4	5.9	.3							18.7	8.9
S	2.3	4.3	8.1	5.2								20.3	8.2
SSW	.3	1.6	.3									2.9	4.7
SW	.7		.1									.6	5.0
WSW		.2										.3	5.0
W	.3		1.0	.3								1.6	8.2
WNW	1.0	.3	1.0									2.3	5.4
NW	.7	1.3	1.3	.6								3.5	7.6
NNW	.7	1.3	2.9	1.3								5.8	8.6
VARIABLE													
CALM												4.5	
	3.7	23.5	44.5	18.1	.6							104.2	7.5

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97201 DALLAS, TX STATION NAME 73-82 YEARS MAY  
CLASS ALL WEATHER MONTH 21  
CONDITION 21  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.6	2.3	.6								6.1	6.1
NNE	.6	1.6	.3	1.0								3.5	7.1
NE	1.6	1.0										2.6	2.9
ENE	1.0	.6	.3									1.9	3.7
E	1.9	2.9	1.6									6.5	5.1
ESE	1.3	3.2	3.2	.3								8.1	6.4
SE	1.9	4.9	6.5	1.9								18.7	6.8
SSE	3.2	3.9	7.1	4.7	.3							18.7	7.8
S	2.6	4.5	3.2	2.9								13.2	6.9
SSW	1.3	.6										1.9	3.0
SW													
WSW	.3	.3										.6	4.0
W	1.0	.3										1.3	3.5
WNW		.3	.3	.3								1.0	8.3
NW	1.3	.6	1.6	1.0								4.5	7.0
NNW		1.2		.3	.3							2.6	7.9
VARB													
CALM												8.7	
	20.3	31.3	26.5	12.6	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1791 DALLAS, TX STATION NAME 73-82 YEARS MAY MONTH  
ALL WEATHER CLAS ALL HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	.0							5.3	6.8
NNE	1.0	1.0	.6	.4								3.5	5.7
NE	.5	.8	.2	.1	.7							1.7	5.6
ENE	.4	.5	.7	.2								2.0	6.3
E	1.1	1.7	1.5	.4								4.9	6.1
ESE	1.0	2.1	2.1	.5	.0	.1						5.7	6.9
SE	.0	3.3	4.2	1.8	.1							9.4	7.3
SSE	1.7	3.7	6.5	1.2	.2							15.3	8.0
S	2.1	5.7	9.2	6.0	.1							23.9	8.4
SSW	1.0	1.3	1.5	.6	.1							4.9	6.0
SW	.7	.3	.2	.0	.0							1.5	4.5
WSW	.4	.2	.1	.2								.6	5.1
W	.3	.4	.6	.3								1.7	7.3
WNW	.5	.5	.3	.3								2.0	6.4
NW	.5	1.1	1.2	.8	.1							3.8	7.7
NNW	.9	1.5	1.9	.9	.1							4.9	7.4
VARBL													
CALM												8.5	
	14.0	26.1	32.3	17.1	.8	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 23-02 YEAR JUN  
CLASS ALL WEATHER MONTH DO  
CONDITION DO

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	.7									3.0	4.9
NNE	1.0	.3	.3									2.0	3.3
NE	.7	1.0		.3								1.7	5.8
ENE	1.7	1.3	.7									3.0	4.1
E	1.7	3.0	.7									5.0	4.1
ESE	.7	1.3	1.0	.3								7.3	6.5
SE	1.0	4.0	2.7	.3								9.0	6.4
SSE	2.7	2.7	5.7	3.0	.3							14.3	8.2
S	3.0	9.3	15.7	6.7								35.3	7.8
SSW	4.3	1.7	.7	.7	.3							7.3	9.0
SW	1.0											1.0	1.3
WSW	.3	.3			.3							1.0	8.3
W		.3										.3	6.0
WNW	.3		.7									.7	5.0
NW	.7	.3	.3									1.3	4.5
NNW	.7	.7		.3	.3							2.0	7.3
VARBL													
CALM												5.7	
	21.0	22.7	30.7	11.7	1.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27901 DALLAS, TX STATION NAME 73-52 YEARS JUN  
CLASS ALL WEATHER MONTH 03  
CONDITION 03 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	.7									4.0	4.3
NNE	.7	.3	.4									1.3	5.0
NE	1.3	.7										2.0	3.2
NNE	.7	.7										1.3	4.0
E	1.7	2.3		.3								4.0	4.9
ESE	.7	2.3	2.7									5.0	5.0
SE	1.3	2.3	.3	.7								4.7	5.9
SSE	.7	2.7	3.3	2.3	.3							9.7	1.6
S	2.7	8.3	15.3	17.3	.3							17.0	8.7
SSW	5.3	4.3	2.7	1.0								17.7	4.6
SW	.7	.7										1.0	3.7
WSW	.7											.3	2.0
W	.7											.3	2.0
WNW	.7	.7			.3							1.3	8.0
NW	.7	.3			.3							1.0	9.0
NNW	1.3	.7	.7	.7								3.3	6.0
VARB													
CALM												11.7	
	12.3	28.0	24.7	15.3	1.3							170.0	6.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-81 YEARS 1974  
ALL WEATHER MONTH 06  
 CLASS 06  
 CONDITION 06  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3										1.7	4.8
NNE	.7	2.0										2.3	4.1
NE	.7	.3	.3									1.3	4.3
ENE	1.7	1.7										2.3	3.0
E	1.7	2.3	.7									3.7	4.5
ESE	.7	1.3	1.3	.3								5.0	5.2
SE	1.7	1.3	1.7	.3								5.0	5.7
SSE	1.7	3.3	2.7	1.3								9.0	5.8
S	1.7	6.7	17.0	5.3	.7							12.3	5.1
SSW	.7	5.0	2.3	.7								11.7	5.1
SW	1.7											1.7	2.0
WSW	.7	1.7										3.3	3.0
W	.7											.7	2.0
WNW			.3	.3								.7	11.5
NW		1.7		.3	.3							2.3	5.7
NNW	.7	.7		.3								4.0	3.6
VARBL													
CALM												13.7	
	21.3	29.0	26.3	9.0	.3	.7						100.2	5.8

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION CALL 15, 7 STATION NAME 73-47 YEARS JUN  
ALL WEATHER NORTH  
CLAS  
CONDITION HOURS (LST) 100

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.7	.7								4.7	6.6
NNE	.7	1.7	1.7									3.7	5.2
NE	.7	2.7		.7								1.7	5.6
NNE	.7	2.7										2.7	4.3
E	1.7	.7	1.7									3.7	5.6
ESE	1.7	1.7	.7									3.7	4.9
SE	1.7	1.7	1.7	.7								4.7	6.3
ESE	1.7	2.7	2.7	1.7	1.7							7.7	8.2
S	.7	.7	1.7	1.7	.7	.7						42.7	9.7
SSW	.7	.7	5.7	2.7								11.7	8.4
SW	.7	1.7	2.7		.7							4.7	7.6
WSW	.7	.7										.7	2.7
W	.7	.7										1.7	4.3
WNW	.7	.7										1.7	3.3
NW	.7	.7										1.7	3.6
NNW	.7	.7	.7	.7								2.7	5.5
VARBL													
CALM												5.7	
	1.3	24.3	35.7	21.7	1.7	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS JUN  
CLASS ALL WEATHER MONTH 12  
CONDITION 12  
HOURS (L O Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	2.7	.3								5.7	6.2
NNE	.7	2.7										2.7	4.1
NE	.7	1.7	1.7									3.7	6.3
ENE	.7	.7										1.7	4.7
E	1.7	1.7	.3									5.0	3.6
ESE	1.7	.3	1.7	.3								3.3	4.9
SE	1.7	1.7	1.7			.3						4.7	6.0
SSE	1.7	4.7	5.3	2.7	.3							15.7	7.1
S	1.7	5.7	17.7	15.7	1.7	.7						42.7	9.9
SSW	1.7	2.7	2.7	1.7								7.7	7.0
SW		1.7		.3								1.3	6.5
WSW	1.7	.7										1.7	3.0
W	.7	.3	.7									1.3	4.3
WNW	.7	.3		.3								1.0	6.0
NW	1.7	.3	.3									1.7	3.8
NNW	.3	.7	1.7									2.7	7.1
VARBL													
CALM												1.0	
	11.0	25.3	33.7	20.7	1.3	.7						119.7	7.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27201 DALLAS, TX STATION NAME 73-82 YEAR JUN  
CLASS ALL WEATHER MONTH 15  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7									4.0	4.9
NNE		2.7	.7									3.3	5.3
NE	.7	.7	1.7									2.0	5.8
NNE	.7	1.7										2.3	4.9
E	1.7	2.3	.7									4.0	4.8
ESE	1.7	1.3	2.7	.3								4.7	6.4
SE	1.7	2.3	1.7	.3								5.0	5.6
SSE	1.7	4.7	7.3	4.0								17.7	8.0
S	1.7	9.0	16.7	12.7	2.3							41.0	9.4
SSW	.7	.7	1.7	1.3	.3							4.3	9.2
SW	.7		.7									.7	5.3
WSW	.7	.7										1.0	4.3
W	.7											.7	2.5
WNW	.7	.3	.7									1.7	6.8
NW	.7	.3	.7									1.3	5.5
NNW		1.7	1.3	.3								3.3	7.0
VARBL													
CALM												3.3	
	11.7	29.7	34.3	18.3	2.7							170.0	7.5

TOTAL NUMBER OF OBSERVATIONS 570

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12231 DALLAS, TX STATION NAME 73-87 YEARS JUN  
CLASS ALL WEATHER HOURS (LST) 19  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.0	.7	1.0								4.0	7.5
NNE	1.0	1.3	.7	.3								3.0	5.7
NE	.3	1.7		.3								2.3	6.0
ENE	.7	1.3	.7									2.7	5.0
E	1.7	4.7	2.7	.3								8.7	5.6
ESE	1.0	1.3	2.7	1.3								6.3	7.5
SE	1.7	4.0	4.7	.3								10.3	6.9
SSE	.7	2.7	9.3	6.7	.3							19.7	9.8
S	2.0	9.0	13.0	9.0	.3							33.3	3.4
SSW	.3	1.0	.3	.3								2.0	6.8
SW	.7	.3										.7	3.0
WSW		.7										.3	4.6
W													
WNW													
NW		.3										.7	5.0
NNW	1.7	1.7		.3								3.7	6.3
VARB													
CALM												2.3	
	11.7	31.7	34.0	29.0	.7							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS JUN  
CLASS ALL WEATHER MONTH 21  
CONDITION 21  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.7									3.3	4.3
NNE	.3	1.3	.3									1.7	4.8
NE		1.3	1.3									2.3	5.6
ENE	1.3	1.3	.3									4.0	3.8
E	1.3	4.3	.7	.3								6.7	5.2
ESE	1.3	5.3	4.0	1.0								12.3	6.2
SE	1.3	6.3	9.3	2.0								18.7	7.2
SSE	2.0	5.3	10.3	4.3	.3							22.7	8.2
S	3.7	7.0	9.7	2.7								19.3	6.2
SSW	1.3	.3										1.7	2.4
SW	.3											.3	1.0
WSW													
W	.3											.3	3.0
WNW													
NW	.3	.3										.7	3.7
NNW	1.3	.3										1.7	3.2
VARBL													
CALM												4.3	
	19.0	34.3	33.0	10.0	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0291 DALLAS, TX STATION NAME 73-52 YEARS JUN  
CLASS ALL WEATHER MONTHS ALL  
CONDITION ALL HOURS (L & T) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	.7	.2								3.7	5.6
NNE	.4	1.3	.8	.2								2.3	4.8
NE	.1	1.1	.5	.2								2.2	5.4
ENE	1.2	1.2	.2									2.4	4.2
E	1.5	2.6	.7	.1								5.0	4.8
ESE	1.2	2.1	2.1	.5								5.9	6.1
SE	1.3	2.2	2.2	.6		.2						7.6	6.5
SSE	1.7	3.4	5.7	3.1	.3							14.4	8.2
S	2.5	7.7	15.0	9.5	.5	.1						35.3	8.6
SSW	2.2	2.2	1.0	1.0	.1							7.3	6.2
SW	.5	.5	.3	.0	.0							1.4	5.7
WSW	.0	.4			.2							1.0	3.8
W	.1	.2	.2		.2							.3	3.6
WNW	.2	.2	.2	.1	.0							.7	6.7
NW	.4	.5	.2	.2	.1							1.2	5.7
NNW	1.1	.5	.5	.3	.2							2.5	5.7
VARB													
CALM												5.7	
	10.6	29.0	31.6	15.7	1.2	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-92 YEARS JUL  
CLASS ALL WEATHER MONTH 00  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3		.3								1.3	4.5
NNE	1.2											1.0	2.7
NE	1.2											1.3	2.5
NNE	.2	1.2	.3									1.9	4.0
E	1.1	1.6	1.5									4.5	5.2
ESE	1.1	2.5	1.2									5.8	5.6
SE	2.7	3.6	3.2	.6								9.7	5.6
SSE	1.2	6.2	8.1	1.9								18.9	7.1
S	3.6	12.1	13.2	1.6								36.9	6.3
SSW	2.0	2.6	1.9									7.4	4.7
SW	.3	.3										.6	2.5
WSW													
W													
WNW													
NW	.3		.3									.6	6.5
NNW		.3										.3	4.0
VARIABLE													
CALM												9.7	
	17.2	37.2	30.7	4.5								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 109

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22021 DALLAS, TX STATION NAME 73-82 YEARS JUL  
CLASS ALL WEATHER MONTH 03  
CONDITION 03  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.3									.6	6.5
NNE		.5	.3									1.0	5.3
NE	.3	.3			.3							1.0	7.7
ENE	1.3	.6										1.9	2.8
E	.5	1.0										1.5	3.6
ESE	1.0	.5	1.3									2.9	5.2
SE	1.0	2.6	1.0	.3								4.6	5.1
SSE	1.0	3.2	2.3									6.5	6.0
S	4.2	13.2	17.4	3.2								38.1	6.7
SSW	.7	5.9	6.1	.6								21.3	5.0
SW	1.9	1.3										3.2	2.7
WSW	.2											.3	2.0
W		.7										.3	4.5
WNW		.6										.6	5.0
NW	.5	.2										1.7	3.3
NNW	.3	.3	.3									1.0	4.3
VARBL													
CALM												13.9	
	21.5	31.0	29.2	4.2	.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 6301 DALLAS, TX STATION NAME 73-02 YEARS JUL  
ALL WEATHER MONTH 06  
 CLASS 06  
 CONDITION 06  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0		.3									1.3	4.3
NNE	.6	1.5										2.3	3.6
NE	1.0											1.0	2.3
NNE	.6	.6										1.2	3.5
E	.6	1.3										1.9	3.5
ESE	1.4	2.0										4.0	3.7
SE	1.4	2.3	.3									4.2	3.8
SSE	1.3	2.6	1.0	.3								6.1	5.7
S	5.3	14.2	8.7	1.0								30.3	5.6
SSW	0.7	12.6	4.5	.3								27.1	4.6
SW	4.2	.7										4.5	2.3
WSW	.3											.3	2.0
W	.6											.6	3.0
WNW													
NW	.3	.3										.5	4.0
NNW	.3											.3	2.0
VARB													
CALM												13.2	
	30.6	38.7	15.6	1.6								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07911 DALLAS, TX STATION NAME 73-82 YEARS 1911  
CLASS ALL WEATHER NORTH GS  
CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.6	.6									2.4	4.0
NNE		.3	.6									1.0	7.3
NE	.7											.2	3.0
NNE	.5	.3	.7									1.3	4.3
E	1.0	1.3	.3									3.5	3.6
ESE	.6	1.0	.3									1.7	5.2
SE	1.0	2.5	.3									4.5	4.0
SSE	1.0	4.5	1.0	.7								10.5	4.6
S	7.2	7.1	1.0	7.1								27.4	7.6
SSW	1.5	8.1	2.4	1.6								19.7	6.9
SW	1.0	2.5	2.0									6.4	5.7
WSW	1.7	1.9	1.7									4.5	5.2
W	1.6	1.0	.5									3.2	4.0
WNW			.7									.6	7.5
NW	.6			.3								1.0	5.7
NNW		1.0										1.0	4.7
VARBL													
CALM												8.1	
	21.0	32.3	20.4	9.4								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 13-02 YEARS JUL  
MONTH 17  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.3	.2	.3								2.6	5.0
NNE	.5	1.2		.3								2.3	5.6
NE	.3	.6										1.5	4.3
NNE	.3	.6	.2	.3								1.6	7.0
E	1.0	1.6	.6									4.2	4.1
ESE	1.0	2.6	1.2									5.8	4.6
SE	2.0	2.9	1.6									7.1	4.5
SSE	3.7	9.4	3.1	1.0								20.3	5.7
S	4.2	4.7	13.5	5.2								32.6	7.4
SSW	1.3	2.6	2.6	.6	.3							7.4	7.3
SW		.3	1.0	.3								1.6	8.4
WSW	.3	2.3	1.0									3.5	5.9
W	.3	.3	.6									1.3	5.0
WNW	1.0	1.0	.2									2.3	4.0
NW	.2		.1									.6	5.0
NNW		.6										.6	4.0
VARB													
CALM												5.7	
	20.3	36.5	29.7	8.1	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 279 DALLAS, TX STATION NAME 23-82 YEARS JUL  
CLIM ALL WEATHER MONTH 15  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	.3	.3								2.9	5.3
NNE	.3	.3	.3	.3								1.3	7.3
NE	.3	1.3	1.3	1.3								4.9	7.3
ENE	1.3	.3	.3									2.3	3.3
E	1.3	2.3	.3	.6	.3							5.5	6.3
ESE	.3	1.3	1.3									3.3	6.4
SE	2.3	4.3	4.3	1.3								12.6	6.1
SSE	2.3	3.1	11.3	1.9								24.2	6.8
S	1.3	3.4	12.3	3.2	.3							26.1	7.4
SSW	.3	1.3	1.3	1.3								4.9	7.2
SW	.3	1.3										1.6	4.2
WSW	.3	.3										.3	1.0
W	.3	.3		.3								1.0	6.3
WNW	.3	1.3	.3									1.6	4.8
NW	1.3	.3	.3									1.3	4.7
NNW	.3	.3										1.3	4.3
VARBL													
CALM												4.2	
	1.5	12.9	36.1	9.7	.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 510

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS JUL  
CLASS ALL WEATHER MONTH 12  
CONDITION 12 HOURS (LST) 12

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7		.3							3.4	6.1
NNE	1.7	1.7	.8	.3								3.2	5.9
NE	1.7	1.7	.3	.3								1.6	5.6
ENE		1.7	1.7	.3								2.4	6.6
E	1.7	2.2	2.8									9.4	5.6
ESE	.2	2.8	3.3	1.7								7.7	7.7
SE	1.7	1.7	7.1	1.4	.3							13.2	8.1
SSE	1.7	11.2	11.9	2.6								27.4	7.4
S	1.7	7.4	9.7	1.9								20.3	7.2
SSW		1.7	.4									1.6	6.6
SW	.2	.7										1.0	2.3
WSW		.7										.7	5.0
W			.2									.3	8.0
WNW	.2											.6	2.0
NW													
NNW	.3	1.7										1.6	5.1
VARBL													
CALM												4.1	
	10.1	36.2	30.2	8.1	.6							120.1	6.7

TOTAL NUMBER OF OBSERVATIONS 312

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 12-10 YEARS JUL  
 CLASS ALL WEATHERS  
 CONDITION 21  
 MONTHS (1-5)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									1.0	5.7
NNE	1.4											1.4	2.2
NE	1.4											1.4	3.2
ENE	1.3	1.6	.7	.7	.7	.7	.7	.7	.7	.7	.7	2.2	3.5
E	1.4	5.2	2.7	.5								7.7	5.8
ESE	.7	6.1	3.6									10.4	5.9
SE	1.4	12.3	11.6	1.0								26.3	6.5
SSE	1.4	5.2	5.4	1.0								17.1	7.3
S	4.5	5.6	3.7	.7								14.5	5.3
SSW	1.7	1.7	.6									3.9	3.0
SW	.7	.7										.5	3.0
WSW													
W													
WNW	.7		.7									.6	5.5
NW	.7											.7	2.0
NNW	.7	.6										1.3	4.1
VARBL													
CALM												6.7	
	17.7	39.7	52.6	2.0								176.0	5.5

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILLAS, TN STATION NAME 73-02 YEARS JUL  
MONTH JUL  
CLASS ALL WEATHER  
HOURS (L S T) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.2	5.1
NNE												1.7	5.2
NE												1.6	5.3
ENE	1.2											2.2	4.5
E	1.2	2.2	1.2									3.2	4.2
ESE	1.2	2.2	1.2									5.4	5.7
SE	1.2	4.3	3.1									12.7	6.1
SSE	1.2	6.4	5.4	1.1								16.4	6.6
S	1.2	17.6	11.1	2.0								28.7	6.9
SSW	1.2	4.3	3.3									11.2	5.6
SW	1.2											2.7	4.1
WSW												1.2	5.2
W													4.6
WNW													4.6
NW													4.6
NNW													4.4
VARBL													
CALM												6.0	
	12.4	35.7	30.7	2.1								120.2	5.5

TOTAL NUMBER OF OBSERVATIONS 2479

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SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3321 TALLAS, FL STATION NAME 73-27 YEARS AUG  
ALL WEATHER MONTH 00  
 CLASS 00  
 CONDITION 00  
 HOURS (L.S.T.) 00

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.5		.7								2.3	4.4
NNE	.6	.5	.3	.3								1.9	6.3
NE	1.2	1.0		.3								2.3	4.7
NNE	.5	.5										1.3	3.8
E	1.2	3.5	1.6									6.1	5.0
ESE	2.3	3.5	4.5									10.3	6.0
SE	1.2	3.5	4.5	.5								9.7	7.0
SSE	.3	5.2	6.2	1.6								13.9	7.5
S	1.4	12.9	14.2	3.9								32.6	7.3
SSW	.2	1.6	.3									6.1	3.1
SW	.6											.6	1.5
WSW	.3											.3	3.0
W	.2											.2	1.0
WNW	.3											.3	1.0
NW		.7				.2						.8	1.0
NNW	.4	.3										1.0	3.3
VARBL													
CALM												10.3	
	1.1	13.4	32.3	7.1		.2						100.3	5.7

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 75-82 YEARS AUG  
ALL WEATHER MONTH 03  
 CLASS 03  
 COORDINATE 03  
 HOURS (LST) 03

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0		.3								1.6	6.2
NNE	1.2	.4	.5	.3								2.4	5.5
NE	.4											.5	1.0
ENE	1.0	.3	.5	.7								2.3	5.3
E	1.0	.3	.6	.6								2.6	7.0
ESE	.2	2.3										2.6	5.0
SE	1.5	4.2	1.7			.7						7.4	5.6
SSE	1.5	4.5	5.5	.3								12.6	6.4
S	1.5	10.6	15.2	2.9	.3							22.7	6.9
SSW	5.0	4.9	2.5									13.2	4.1
SW	1.7	.7										1.0	3.0
WSW	.7											.7	3.0
W	.3											.4	3.0
WNW													
NW	1.7	1.0										1.0	3.5
NNW	.4	1.3	.5									2.5	5.5
VARBL													
CALM												14.8	
	21.0	31.5	27.1	4.9	.3	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS 1966  
ALL WEATHER CLASS 16  
 CONDITION HOUS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	.3									2.3	4.1
NNE	1.5		.3									1.9	3.2
NE	.5	.3										1.0	3.7
ENE	1.6	1.7	.3	.3								3.2	4.2
E	1.7	1.5	.5	.3								4.2	4.9
ESE	1.7	2.3										3.7	4.1
SE	1.5	2.0	1.3	.3								6.1	5.2
SSE	2.4	2.2	1.7									9.0	4.2
S	4.2	2.7	3.7	1.2								26.5	6.6
SSW	5.4	7.1	2.6									18.1	4.1
SW	1.5	.3										1.7	2.4
WSW	1.7											1.7	1.5
W													
WNW													
NW			.3									.3	4.0
NNW	1.5	1.0										1.9	4.0
VARBL													
CALM												14.7	
	26.4	31.9	19.5	4.2								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 78-67 YEARS 1960  
ALL WEATHER MONTH 09  
 CLASS 09  
 COORDINATE 09  
 HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.0	1.0	.6									3.2	5.1
NNE	.4	.5										1.3	3.8
NE	.4	1.0	.0									2.2	5.3
NNE	1.0	.3	.7	.3								1.0	5.7
E	1.0	1.3	1.0									3.2	4.9
ESE	1.0	2.3	.7	.7								4.8	4.6
SE	1.0	3.0	1.0	.3								5.8	4.9
SSE	3.0	3.9	2.3									10.2	4.6
S	3.2	11.0	10.3	3.0	.3							28.7	7.2
SSW	3.3	5.2	5.8	5.2								18.8	7.9
SW	1.0	2.6	1.6	.7								5.8	5.6
WSW	1.0	1.0	.5									2.6	4.9
W	.2											.3	2.0
WNW	.7	.3	.7									1.0	4.7
NW		.7										.7	4.0
NNW	.7	.3	.6									1.3	5.5
VARBL													
CALM												9.0	
	20.0	34.4	25.5	10.3	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-07 YEARS 1955  
CLASS ALL WEATHER HOURS (L Y) 17  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	1.7	1.3								4.9	6.9
NNE	.3	1.9	.3									2.6	5.5
NE		1.9		.3								2.3	4.4
ENE	.7		.3									.6	4.5
E	2.3	2.3	.6	.3								5.6	4.5
ESE	2.3	2.6										4.8	3.3
SE	3.4	5.5	.4									10.0	3.7
SSE	4.1	9.7	4.7	.3								22.9	5.6
S	2.3	1.4	17.3	4.5								25.5	7.4
SSW	1.3	1.7	2.9	1.3								6.8	7.8
SW	.4	1.7										1.6	3.9
WSW	1.7		.6	.3								1.9	5.3
W	1.7	.3										1.3	2.8
WNW													
NW	.7		.6									1.7	5.7
NNW		1.7	.6									1.6	6.6
VARBL													
CALM												6.0	
	20.3	37.7	26.8	8.4								100.7	5.6

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS 1973  
CLASS ALL WEATHER  
CONDITION 15  
HOURS (LST) 15

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.5	.7	1.0								3.0	6.9
NNE	1.1	1.5	1.0									2.0	5.4
NE	1.0	.3	.3	.6								2.3	6.3
ENE	.4	1.0	.6									2.3	5.3
E	.0	2.3	1.3	.6								7.1	5.3
ESE	.0	.0	1.0									7.4	5.6
SE	7.7	4.5	3.2	.3								11.6	5.3
SSE	3.7	11.0	7.4	1.6								24.5	5.9
S	7.4	6.3	9.7	7.2								23.3	7.6
SSW	.7	1.6	1.7	1.7								4.8	7.3
SW			1.7									1.0	10.0
WSW		.7										.7	4.0
W	.3											.0	3.0
WNW		.4										.6	5.0
NW	.3	.3	.3									1.0	5.3
NNW		.3	1.7									1.0	7.2
VARB													
CALM												5.7	
	17.4	37.4	29.4	10.3								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 71-77 YEARS AUG  
 CLASS ALL WEATHER MONTH 18  
 CONDITION 18  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.6	.3								3.2	5.3
NNE	1.0	.7	1.0									2.9	6.0
NE	.5	.6	1.7									2.3	6.0
ENE	.5	2.3	1.3									4.2	5.5
E	1.9	5.2	4.6	1.0	.3							13.2	6.7
ESE	1.0	4.0	5.0	.6	.3							12.6	7.2
SE	1.2	5.5	4.2	1.9								13.2	6.7
SSE	2.3	4.2	2.7	2.9								10.0	7.3
S	1.3	5.0	8.4	3.2								18.7	7.6
SSW	.2	.5	.3									1.3	4.5
SW	.5											.5	2.5
WSW		.3										.3	6.0
W	.5	.3	.3									1.3	4.3
WNW	.3	.5										1.0	3.7
NW	.2	.3										.5	4.5
NNW	.5	1.3	1.0									2.2	5.6
VARBL													
CALM												2.6	
	14.5	33.7	32.0	12.9	.6							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-92 YEARS 1950  
ALL WEATHER MONTH 21  
 CLASS NOV 1950 (L S Y)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	.3									2.3	4.3
NNE	.2		.2									1.0	4.3
NE	.5	.5	.5									1.9	4.6
ENE	.5	1.5										2.3	3.7
E	2.3	6.1	1.2	.3								11.9	5.9
ESE	3.0	7.4	7.4	.6	.3							19.7	6.1
SE	4.2	8.4	7.4	1.3	.3							21.6	6.2
SSE	.5	6.0	9.4	1.7								17.7	7.0
S	2.0	6.5	2.3	1.7								10.7	5.5
SSW	1.3	1.7	.3	.3								2.9	4.8
SW													
WSW													
W	.7	.3										.6	4.0
WNW													
NW		.3										.3	4.0
NNW	.3	1.0										1.3	4.0
VARBL													
CALM												6.1	
	17.7	39.7	31.7	4.5	.6							100.7	5.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 9371 DALLAS, TX STATION NAME 13-32 YEARS AUG  
MONTH ALL  
HOURS (LST) ALL  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3	.4	.4								2.9	5.6
NNE	.5	.6	.5	.1								2.1	5.2
NE	.6	.7	.3	.2								1.9	5.3
ENE	.3	.2	.4	.1								2.3	4.9
E	1.3	2.8	1.7	.4	.0							6.7	5.7
ESE	1.7	3.8	2.5	.2	.1							8.2	5.8
SE	2.4	4.7	2.9	.6	.0	.0						10.7	5.7
SSE	2.0	5.4	6.4	1.0								16.2	6.3
S	2.7	5.7	9.9	3.5	.1							24.9	7.1
SSW	2.0	2.8	7.1	1.3								9.0	5.6
SW	.7	.5	.7	.0								1.6	4.6
WSW	.5	.2	.2	.0								.9	4.5
W	.4	.1	.0									.6	3.2
WNW	.1	.2	.0									.4	4.0
NW	.0	.3	.2			.0						.6	5.8
NNW	.0	.0	.0									1.7	5.3
VARIABLE													
CALM												9.1	
	12.4	33.0	29.5	7.5	.2	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2490

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-92 YEARS SEP  
CLASS ALL WEATHER MONTH 00  
CONDITION 00 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	2.7									9.3	4.7
NNE	1.7	2.0	.7									4.3	4.3
NE	1.0	.7	.3	.3								2.3	4.9
ENE	1.7		.7									2.3	4.1
E	2.7	2.0	1.0									5.0	4.3
ESE	1.7	2.7	3.7	1.0								8.7	6.5
SE		4.7	3.7	2.0								9.7	7.6
SSE	1.7	4.7	3.7	1.0								10.7	6.4
S	4.7	4.0	9.3	2.3								20.3	6.7
SSW	2.3	2.7	.3	.3								5.0	4.6
SW	1.7	.3										1.7	3.0
WSW													
W			.7									.7	6.0
WNW	.7											.7	2.0
NW		.7										.7	4.0
NNW	2.0	1.3	.7	.3								4.3	4.5
VARS													
CALM												15.3	
	23.3	27.7	26.3	7.3								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 25-02 YEARS SEP  
MONTH 01  
HOURS 14 15 17  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	1.7	1.7									7.3	4.7
NNE	0.7	0.7	1.7									2.0	5.5
NE	0.3	2.3	0.7									5.0	5.4
NNE	1.0	0.7	0.7									2.0	4.2
E	0.3	0.7	0.7									3.3	4.0
ESE	1.7	1.3	0.7	0.7								3.7	4.9
SE	0.3	2.7	0.7	0.3								6.0	4.9
SSE	0.7	4.7	0.7	1.7								10.0	7.3
S	0.7	7.3	7.3	3.3								21.0	7.2
SSW	1.7	2.7	0.7									6.7	4.0
SW	1.7											1.7	1.4
WSW	0.7	0.7										0.7	4.5
W	0.7		0.7									0.7	4.5
WNW	0.7	0.3										0.7	4.0
NW	1.7	0.3										3.3	2.6
NNW	0.7	0.3	2.0									6.7	4.7
VARBL													
CALM												10.0	
	27.3	25.3	19.3	5.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 170

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-67 YEARS SEP  
ALL WEATHER MONTH 06  
 CLASS NOVEMBER 1957  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.7	3.3	2.7	.7								9.7	5.6
NNE	4.7	1.3	.7	.7								6.7	3.3
NE	2.7	.3	1.7									3.3	3.2
ENE	1.7	1.7										2.3	3.3
E	3.7	.7	.7									3.7	3.3
ESE	1.7	1.7										1.3	3.8
SE	1.7	3.7	1.7									6.3	4.9
SSE		3.7	4.7	.3								8.7	6.8
S	4.7	6.3	4.7	2.7								18.7	5.9
SSW	1.7	3.3	1.7									5.7	4.8
SW	1.7											1.7	1.7
WSW	.7		.7									.7	4.0
W	.3	.3										.7	3.5
WNW	.3	.3	.3									1.7	4.7
NW	2.3	1.3	.7									4.0	3.8
NNW	3.7	2.7	.7	.3								6.7	4.1
VARBL													
CALM												70.7	
	20.7	25.0	17.0	4.7								100.7	3.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE YEAR: 1960 MONTH: SEP  
CLASS: ALL WEATHER HOURS (LST): 09  
OBSERVATION: \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	4.3	2.0								12.7	7.2
NNE	1.7	2.0	1.7	1.7								3.7	6.6
NE	1.7	1.7	1.7									3.7	5.8
ENE	1.7	1.7	1.7									3.0	5.8
E	1.7	1.7	1.7	1.7								4.7	5.4
ESE	1.7	1.7	1.7									3.7	4.2
SE	1.7	1.7	1.7	1.7								7.7	6.0
SSE	1.7	1.7	1.7	1.7								11.7	5.7
S	1.7	1.7	1.7	1.7	1.7							16.7	8.9
SSW	1.7	1.7	1.7	1.7	1.7							8.3	8.2
SW	1.7	1.7	1.7	1.7								3.7	6.6
WSW	1.7											1.7	2.0
W			1.7									1.7	7.0
WNW			1.7									1.7	6.0
NW	1.7	1.7	1.7									3.7	5.8
NNW	1.7	1.7	1.7									4.7	4.8
VARBL													
CALM												15.7	
	12.7	24.0	23.0	13.0								110.7	5.7

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME ALL WEATHER YEARS 1971-72 NORTH 12  
CLASS 12  
HOURS (L & Y) 12  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	2.7	7.7								11.3	7.5
NNE	1.7	1.7	1.7	3.3								5.0	5.7
NE	1.7	1.7	2.7	3.3								4.7	6.8
ENE	1.7	1.7	1.7	3.7								3.7	5.7
E	2.7	2.7	1.7	3.7								6.0	4.9
ESE	2.7	2.7	1.7	3.7								2.0	3.7
SE	2.7	2.7	2.7	3.7								6.0	5.0
SSE	1.7	4.7	5.7	7.7								17.7	6.3
S	1.7	4.7	5.7	5.7	1.7							15.7	9.2
SSW	1.7	1.7	3.7	7.7								6.7	8.6
SW	1.7	1.7	1.7									1.3	6.1
WSW	1.7	1.7	1.7									1.3	3.1
W		1.7	1.7	3.7								1.7	9.0
WNW		1.7	1.7									1.7	6.0
NW	1.7	1.7	1.7	3.7								2.3	7.0
NNW	1.7	1.7	1.7	1.7	1.7							5.0	7.7
VARBL													
CALM												6.7	
	10.7	25.7	27.7	17.7	1.7							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 350



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73-82 STATION NAME ALL WEATHER YEARS SEP  
CLASS 13  
CONDITION 13  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	2.7	2.7								11.3	3.7
NNE	1.7	3.7	2.7	.7								7.3	6.4
NE	.7	2.7	1.3	.7								5.0	6.9
ENE		2.3	1.3									3.3	5.8
E	1.0	2.3	1.7	.7								5.7	6.4
ESE	2.7	3.3	2.3	.7								8.7	4.9
SE	1.3	2.0	1.3	1.0								7.7	5.4
SSE	4.0	5.3	3.7	1.7								18.3	5.9
S	1.7	3.7	2.7	4.3								15.7	8.6
SSW	1.7	1.7	1.3	1.0								5.7	7.4
SW		.7	.7		.3							1.0	11.3
WSW													
W		.7		.3								.7	6.0
WNW	.7	.7	.7									1.7	5.4
NW	.7	.7	.3	.3								1.7	7.4
NNW	1.7	1.7	.7	1.3								5.3	6.6
VARBL													
CALM												5.7	
	17.7	31.7	29.7	15.3	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ALL WEATHER YEAR 1951 SEC 2014  
CLASS 1  
HOURS (LST) 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	5.0	1.0								11.0	6.7
NNE	1.0	3.0	7.0									6.0	4.2
NE		2.0	1.0									6.0	4.0
ENE		7.0	1.0	7.0								6.7	5.6
E	7.0	5.0	4.0									12.0	5.6
ESE	1.0	5.0	7.0	7.0								10.0	5.9
SE		7.0	4.0	7.0								12.0	5.9
SSE	1.0	7.0	7.0	1.0	7.0							12.0	7.7
S	1.0	5.0	7.0	7.0								12.0	7.1
SSW			7.0	7.0								1.0	5.9
SW													0.0
WSW													0.0
W													0.0
WNW		1.0										1.0	4.6
NW													2.0
NNW			1.0	1.0	7.0							3.0	9.1
VARBL													
CALM												1.0	

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION CALLAS, T. STATION NAME 7X-92 YEARS SEP  
ALL WEATHER MONTH 21  
 CLASS ALL WEATHER HOUR (LST) 21  
 CONDITION ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	1.7									7.3	4.8
NNE	2.3	2.0	1.7	.7								7.0	4.8
NE	2.3	1.3										3.7	3.3
ENE	1.0	2.7										5.7	3.4
E	1.7	4.7	2.3	.7		.7						9.7	6.6
ESE	1.7	5.3	1.3	.7								8.7	5.9
SE	2.0	4.7	5.3	1.3								13.0	6.8
SSE	1.7	3.0	5.7	1.3	.3							13.7	6.7
S	1.7	2.7	3.3	1.7								9.3	7.1
SSW	1.7											1.7	2.0
SW	.7											.3	2.0
WSW													
W	.7	.3										.7	3.5
WNW	.3											.3	3.0
NW	.3	.7										1.0	4.3
NNW	1.7	2.3	1.7	.3								6.7	5.2
VARB													
CALM												17.0	
	24.7	32.3	21.7	8.7	.3	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1977-1978 SOUTH SEP  
ALL CLAS ALL  
 COORDINATE 35-55N 83-50W

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	2.0	3.4	1.2								4.9	1.5
NNE	1.0	2.0	1.1	0.3								4.4	1.1
NE	1.0	1.0	1.0	0.2								4.2	1.1
ENE	1.0	1.0	0.1	0.1								3.2	0.8
E	1.0	2.0	1.0	0.2		0.1						4.3	1.0
ESE	1.0	2.0	1.0	0.5								6.5	1.5
SE	1.0	3.0	2.2	0.1								6.3	1.5
SSE	0.3	3.0	0.0	1.4	0.1							4.8	1.2
S	0.3	4.5	2.2	3.5	0.1							11.1	2.6
SSW	1.0	1.5	1.2	0.1								4.0	1.0
SW	0.0	0.0	0.0	0.0	0.1							1.1	0.1
WSW	0.0	0.1	0.1	0.0	0.0							0.2	0.0
W	0.0	0.0	0.0	0.1	0.0							0.1	0.0
WNW	0.0	0.0	0.0	0.0	0.0							0.0	0.0
NW	0.0	0.0	0.0	0.1	0.0							0.1	0.0
NNW	1.0	1.0	1.0	0.5	0.1							4.1	1.0
VARBL													
CALM												10.3	
	12.0	10.0	23.0	5.9	0.2	0.1						38.0	1.5

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 71-62 YEARS 1951  
CLAS ALL WEATHER MONTH 00  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	.5	.2								6.8	5.0
NNE	1.0	1.3	.3									2.6	4.6
NE	1.0	.3										1.3	2.0
ENE	1.0	.5	.3									1.9	4.5
E	1.0	.6	.7	.3								2.4	5.0
ESE	.5	1.9	1.6	.3								4.5	6.1
SE	1.0	1.5	1.5	1.5	.3							6.1	8.0
SSE	1.0	2.0	5.2	1.9								11.3	7.4
S	1.0	4.5	7.4	4.5	.3							20.6	7.6
SSW	4.5	2.0	1.3	.6								9.4	4.7
SW	2.3	.3										2.4	2.4
WSW	1.0					.3						1.3	7.3
W	.5		.2									1.3	5.3
WNW	.5	.3		.6								1.4	6.0
NW	.7	1.0	.4									1.5	5.5
NNW	1.1	1.3	1.6	.6								5.2	6.2
VARBL													
CALM												19.0	
	24.8	22.3	21.6	11.3	.6	.3						130.0	5.1

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS 007  
CLASS ALL WEATHER HOURS (LST) 03  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.1	1.4	1.3								7.4	6.0
NNE	1.2	.6	1.1									2.9	4.6
NE			1.0									1.0	8.3
ENE	.7	.6		.6								1.4	7.2
E	1.2	1.3	1.0									3.5	4.6
ESE	1.2	.3	.3									1.9	3.8
SE	1.1	1.6	1.6	1.3								5.8	7.3
SSE	.7	2.3	4.2	1.5								8.7	8.0
S	7.1	4.4	8.4	4.2								21.3	7.4
SSW	1.1	4.4	2.3	.3								12.8	4.4
SW	2.5		.4									3.5	3.2
WSW	1.0											1.0	1.7
W	.7	.3	.7									1.0	5.0
WNW	.7	1.0		.7								1.6	5.0
NW	.4	1.2	.7									1.9	4.9
NNW	1.1	1.4	1.3	.6								5.2	5.9
VARBL													
CALM												18.7	
	4.3	21.9	22.9	10.6								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WALLACE, TN STATION NAME 78-42 YEARS 007  
MONTH 7  
HOURS (LST) 7  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.0	1.0	.3	.3	.3						4.2	7.2
NNE	1.0	.4	.3	.3								2.3	5.3
NE	1.0	.3	1.0									3.2	4.7
NNE	1.0	.3	1.0									2.6	4.8
E	.0	.0	.6									1.0	5.0
ESE	2.3	2.6	.6									5.5	4.4
SE	1.0	1.0	.6	1.0		.3						5.5	7.1
SSE	.0	2.6	4.5	.6								8.9	7.4
S	.0	4.5	4.5	2.6								15.2	7.3
SSW	3.0	2.6	2.6									8.7	4.7
SW	1.0	.6	.3									4.5	2.9
WSW	2.6	.6	.3									3.5	2.4
W			.3									.3	7.0
WNW	.0	.6	.6									1.0	5.7
NW	.0	1.0	1.0	.3								4.5	7.1
NNW	1.0	1.0	1.0	.6								5.0	5.6
VARBL													
CALM												1.3	
	24.1	22.6	13.2	5.8	.3	.6						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 75-22 YEARS 00  
ALL HEATED  
 CLASS 00  
 CONDITION 00

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.6	3.5	1.6	.3							7.7	8.5
NNE	1.0	1.0	.3	.3								2.6	5.4
NE	.3	1.0	.4									1.7	5.3
ENE	.4	.3	.4	.5								2.3	7.0
E	1.6	1.0	1.0									4.6	4.9
ESE	.3	1.3	1.7									3.3	6.4
SE	1.6	2.3	1.7	1.3								6.9	6.4
SSE	1.7	2.6	3.2	1.3	.3							10.6	6.5
S	2.6	4.6	9.7	4.2	.6							21.9	8.2
SSW	2.6	2.3	1.0	1.6	.3							8.4	6.9
SW	1.0	1.7	.6									4.5	4.2
WSW	.7		.3									1.0	5.3
W		1.0		.3								1.3	6.3
WNW		1.0	.6	.3								1.7	4.7
NW	1.0	.6		.6	.3							2.6	7.6
NNW	.6	1.7	1.7	1.7								4.6	3.0
VARBL													
CALM												13.6	
	15.7	24.5	24.1	13.2	1.9							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-32 YEARS 6CY  
 CLASS ALL WEATHER MONTH 12  
 CONDITION MOORE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	1.7	3.2	.6							9.4	9.2
NNE	.3	1.6	.7	1.7								3.6	6.6
NE	.3	1.6	.7	.7								2.6	6.6
ENE	.7	1.3	1.3									2.6	6.6
E	1.6	1.3	1.6									4.2	4.8
ESE	1.7	1.6	1.3									4.6	4.5
SE	1.7	1.6	1.3									4.2	5.3
SSE	2.7	4.5	4.2	1.7								13.6	5.2
S	3.2	3.9	8.1	12.4	1.6							26.1	9.4
SSW		1.7	1.7	2.3	.3							5.6	8.6
SW		1.6	1.3									2.9	6.3
WSW	.7	.3	.5									1.3	5.3
W	1.3	.3	1.7		.3							3.2	6.2
WNW	.3	.3	.5	.3								1.6	7.6
NW	.3	.3	1.7	.3								2.9	7.7
NNW	.6	1.7	2.3	1.6								5.5	8.5
VARBL													
CALM												5.8	
	17.7	25.5	28.7	20.0	2.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 77-81 YEARS 1971-1972

CLASS ALL WEATHER

CONDITION 1"

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.2	5.2	1.0	.3							11.2	2.4
NNE	.0	2.1	1.0		.3							4.2	6.5
NE	1.3	1.0	1.3	.3								3.0	6.2
NNE	.0			.5								1.3	6.5
E	2.3	1.0	.7									4.0	6.0
ESE	2.3	2.7	1.0									6.1	4.9
SE	2.4	2.7	1.3	.3								7.4	4.7
SSE	2.5	1.3	5.5	4.2	.3							14.2	6.1
S	1.0	4.5	8.7	6.5	.6	.7						22.9	9.2
SSW	.7	.6	.6	1.6	.3							3.5	10.5
SW		.7	.6	.3								1.3	7.8
WSW	.7	1.3	.3									1.4	4.8
W	.0	.3			.3							1.3	6.8
WNW	.3	.3	.6									1.3	2.0
NW	1.0	1.3	1.6	1.3								5.2	7.2
NNW	.6	1.0	1.3	1.9								4.8	8.5
VARBL													
CALM												5.4	
	15.4	24.7	20.4	19.3	2.3	.7						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 1951-52 MONTH OCT  
CLAS 19  
HOURE (L S T) 19  
REMARKS

SPEED (KNTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.6	1.6	2.7								8.7	7.9
NNE	2.7	1.6	1.6	2.7								5.2	4.8
NE	1.6	1.6	1.6									3.6	4.0
NNE	1.6	1.6	1.6									3.6	3.6
E	1.6	4.2	2.7									9.7	3.6
ESE	2.7	2.6	1.6									7.6	4.6
SE	2.7	4.2	1.6	1.6								11.3	6.3
SSE	1.6	2.6	4.2	1.6								13.6	7.7
S	1.6	2.6	2.6	1.6								12.2	5.7
SSW	1.6	1.6	2.7	2.7								7.2	5.0
SW	1.6											1.6	1.0
WSW	1.6	2.7										1.7	3.3
W	1.6	1.6										3.6	4.0
WWW	1.6	2.7	1.6									1.6	4.4
NW	1.6	1.6	1.6	2.7	2.7							3.2	7.4
NNW	1.6	1.6	1.6	1.6	2.7							5.0	6.6
VARIABLE													
CALM												6.4	
	22.7	33.2	15.7	8.4	2.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 510

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME DALLAS, TX YEARS 1987 MONTH NOV  
CLASS ALL WEATHER MONTH 21  
CONDITION NOVEMBER HOURS (LST) 21

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	3.0	0.0								7.7	6.1
NNE	1.0	0.0	1.0									4.0	4.4
NE	1.0	0.0	0.0									1.0	2.8
ENE	0.0	1.0										1.0	4.0
E	1.0	2.0	1.0									4.0	4.4
ESE	1.0	2.0	0.0									6.0	5.0
SE	1.0	0.0	0.0	0.0								14.0	7.2
SSE	0.0	2.0	0.0	1.0	0.0							10.0	6.1
S	0.0	0.0	0.0	1.0	0.0	0.0						13.0	6.9
SSW	0.0	1.0		0.0								3.0	3.5
SW	1.0	0.0										1.0	2.8
WSW	0.0											0.0	2.0
W	0.0		0.0									1.0	6.0
WNW	0.0	0.0	0.0									1.0	5.3
NW	0.0	1.0	0.0	0.0								2.0	6.0
NNW	0.0	1.0	1.0	0.0	0.0							5.0	6.5
VARBL													
CALM												20.0	
	21.0	25.2	24.0	6.0	1.0	0.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1961-62 MONTH: ALL  
CLASS: ALL HOURS (L & Y): ALL  
CONDITION: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.1	2.3	1.5	.2	.7						7.8	7.3
NNE	1.2	1.2	.7	.2	.0							3.4	5.7
NE	.7	.6	.2	.1								2.3	5.1
ENE	.7	.3	.6	.2								2.1	5.5
E	1.0	1.2	.1	.0								4.4	4.4
ESE	1.0	2.2	1.7	.2								5.1	5.2
SE	1.0	2.1	2.1	1.1	.2	.7						7.5	6.6
SSE	1.0	2.0	.4	1.5	.1							11.4	7.6
S	1.0	4.5	6.2	4.4	.4	.1						12.4	7.9
SSW	2.1	2.2	1.2	.0	.1							3.0	5.2
SW	1.0	.5	.0	.0								2.1	3.9
WSW		.1	.1			.1						1.0	3.0
W	.7	.2	.2	.7	.1							1.2	5.2
WNW	.1	.0	.0	.2								1.0	5.3
NW	.5	1.1	.0	.4	.1							3.2	4.2
NNW	1.0	1.4	1.2	1.2	.1							5.3	7.5
VARBL													
CALM												14.1	
	22.5	25.0	24.5	11.2	1.2	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2400

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	DATE	STATION NAME	YEARS	MONTH
	1984	ALL WEATHER		NOV
		CLASS		NO
		CONDITION		NO
				NO

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
VARBL												0.0	
CALM												0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1961-62 MONTH NOV  
CLASS ALL WEATHER HOURS (L & T) 03  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	2.7	2.3								9.3	7.7
NNE	1.7	1.7		.3								3.7	4.1
NE	1.7	1.7										2.7	3.6
ENE	.3		.7									1.0	5.7
E		.7	.7									1.7	6.0
ESE	1.0	.7		.7								1.7	4.6
SE	.7	1.7	1.7	.3								4.0	6.6
SSE	.7	.7	.7	.7								5.2	7.0
S	.7	5.3	4.7	2.3	.3							17.0	8.1
SSW	.7	.7	1.7	1.3	.3							9.0	6.6
SW	.7	.7										2.7	3.4
WSW	.7											2.0	2.0
W	.3	.7		.7								1.0	7.0
WNW	.7	2.7	1.7	.7	.3							5.7	7.9
NW	.7	1.7	1.7	1.7								6.0	5.1
NNW	.7	1.7	2.7	1.3								7.0	6.6
VARBL													
CALM												19.7	
	32.3	25.2	21.3	12.0	1.0							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-85 YEARS NOV  
ALL WEATHER NORTH 06  
CLAS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	3.0	1.7								5.7	7.9
NNE	.5	1.7	1.7									3.0	6.0
NE	.5	.7										1.0	3.7
ENE	1.7	.7		.3								2.3	4.1
E	.7	1.7										1.3	4.0
ESE	.7		1.7									1.3	6.5
SE	.7	2.7	.7	.3								5.0	5.1
SSE		.7	2.7	2.0								7.7	8.0
S	.7	4.7	5.7	1.0								16.0	6.9
SSW	.7	2.3	1.7	1.0								7.3	6.1
SW	1.0	.7		.3								4.0	3.4
WSW	1.7											1.7	2.0
W	1.7	1.3	.3	.7								3.3	5.5
WNW	.7	1.3	1.3	.7	.3							4.3	5.1
NW	.7	.7	1.3	1.7								4.3	8.6
NNW	.7	2.3	2.3	2.0								8.7	7.5
VARB													
CALM												22.0	
	30.0	23.3	22.7	11.7	.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 370

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1721 DALLAS, TX STATION NAME 73-82 YEARS NOV  
CLASS ALL WEATHER MONTH NOV  
CONDITION 30  
HOURS (LST) 0000-2300

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	2.7	2.3	.3							9.7	7.9
NNE	.7	1.3	.3	.3								2.3	5.7
NE	.7	.3	.7	.7								2.3	7.1
ENE	1.0	.3										1.3	2.5
E		1.7	.3									2.0	5.2
ESE	.3	1.0	.7									2.0	5.8
SE	1.3	2.0	2.7									6.0	5.5
SSE	1.7	2.3	2.0	1.7								7.7	6.9
S	3.3	4.3	7.0	5.3	.3							21.3	7.5
SSW	2.7	3.0	2.3	1.7								9.7	6.4
SW	1.3		.7	.3								2.0	6.2
WSW	1.0			.3								1.3	9.8
W		.3	.7									1.0	6.7
WNW	.7	.3	2.0	1.0	.7							4.3	10.4
NW	.7	1.3	2.0	1.3								5.3	7.6
NNW	1.0	1.7	1.7	5.3								6.7	10.0
VARBL													
CALM												12.7	
	17.7	23.0	25.7	20.3	1.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-92 YEARS NOV  
 CLASS ALL WEATHER MONTH 12  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	2.7	3.7	.7							9.7	9.7
NNE	.7	1.7	.7	.3								2.7	6.6
NE	.7	1.7	.7	.7								3.7	7.3
ENE	1.7		.7									1.7	6.0
E	1.7	1.7	.7									3.7	6.2
ESE	1.7	.7	1.7	.7								3.7	5.3
SE	1.7	1.7	1.7	.3								4.7	5.1
SSE	.7	3.7	2.7	2.7								12.7	6.6
S	.7	1.7	6.7	4.7	1.7							20.7	10.5
SSW	.7	1.7	2.7	2.7	.7							6.7	9.7
SW	.7	1.7	.7	.3	.3							3.7	7.6
WSW	.7	1.7	.7		.7							2.7	6.9
W	.7	1.7	1.7	.3								4.7	6.4
WNW		1.7	1.7	2.7	.3							5.7	9.8
NW		.7	2.7	2.7	.3							6.7	9.4
NNW	.7	1.7	2.7	3.7								7.7	10.0
VARBL													
CALM												6.7	
	14.7	23.7	25.3	25.7	4.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 73-74 MONTH NOV  
CLASS ALL WEATHER MONTH 15  
CONDITION NOVEMBER 1973

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.7	1.0								7.7	8.6
NNE	1.0	1.3	2.0	.3								5.0	6.1
NE		.7										.3	5.0
ENE	.2		.3	.3								1.3	5.0
E	.3	1.7										2.0	4.2
ESE	1.0	2.0	.7									2.7	4.6
SE	1.5	2.3	2.7		.7							6.7	6.4
SSE	2.0	4.0	4.0	2.7								13.7	7.1
S	7.0	2.0	3.7	8.0	2.0	.3						18.0	10.7
SSW	.3	.7	3.0	.7	.3							5.0	9.1
SW	.7		1.7	.3								2.3	7.4
WSW	.7	.3	2.3	1.0								4.2	5.2
W	.7	.7	1.0	1.0								3.0	6.1
WNW	.7	.7	1.0	1.3								3.0	9.2
NW	1.0	1.3	1.7	2.0		.3						6.3	8.8
NNW		1.0	3.0	4.3	.3							9.0	11.0
VARB.													
CALM												6.7	
	14.3	20.0	30.3	25.0	3.0	.7						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS NOV  
MONTH NOV  
CLASS ALL WEATHER  
HOURS (L S Y) 12  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.7	4.7	4.7	1.7								12.7	5.8
NNE	1.7	1.7	.7	.7								3.3	6.3
N E	1.7	.7										1.7	2.5
ENE	1.7	.7										2.7	2.8
E	7.7	2.7										5.7	7.1
ESE	1.7	2.7	.7	.7								7.0	4.3
SE	7.7	4.7	1.7	.7								8.7	5.2
SSE	7.7	5.7	4.7	.7								13.7	6.0
S	7.7	1.7	3.7	2.7	.7							11.3	7.5
SSW	1.7	1.7	.7									2.7	4.0
SW	.7	.7	.7									1.0	5.0
WSW	.7		.7									.7	5.0
W	1.7	.7		.7								2.0	4.7
WNW	.7	.7	1.7	.7	.7							3.0	6.6
NW	1.7	1.7	1.7	1.7								6.7	7.3
NNW	.7	5.7	7.7	1.7								9.7	6.8
VARB													
CALM												9.7	
	25.7	32.7	22.3	9.0	.7							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 13-82 YEARS NCV  
ALL WEATHER MONTH 21  
CLAS HOUR IN DAY  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.7	2.0	2.3	.3							12.3	6.6
NNE	.7	1.7	.7	.3								3.3	6.0
NE													
ENE	1.3	1.0										2.3	3.4
E	1.3	1.0	1.0									3.3	4.3
ESE	1.3	1.7	1.7	.7								5.3	6.1
SE	.7	.7	2.0	.7								4.0	7.8
SSE	.7	5.0	7.0	2.0								12.3	6.5
S	7.3	5.3	4.7	2.3	1.0							16.7	7.4
SSW	1.7	1.7	.3	1.0								4.7	5.6
SW	2.3											2.3	2.0
WSW	.7											.3	1.2
W	1.0	.7	.3	.3								2.3	5.0
WNW	.3	.7	.7	1.0								2.3	2.3
NW	1.7	2.0	2.3	.3								6.3	6.2
NNW	2.7	1.7	2.0	.7								7.0	5.7
VARBL													
CALM												15.0	
	25.0	26.3	20.7	11.7	1.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1952-53 MONTH NOV  
CLASS ALL WEATHER HOURS (L.S.T.) ALL  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.7	2.7	2.7	.2							9.7	7.6
NNE	.9	1.3	.7	.3								3.2	5.6
NE	.5	.7	.2	.2								1.5	5.3
ENE	1.7	.3	.1	.1								1.6	3.4
E	.7	1.1	.7									2.5	4.1
ESE	1.2	1.2	.7	.2								3.4	5.1
SE	1.3	1.3	1.7	.4	.1							5.3	6.2
SSE	1.7	3.7	3.1	1.7								10.3	6.4
S	2.1	3.5	5.7	4.4	.6	.7						17.3	8.5
SSW	1.3	2.1	1.4	1.1	.2							6.9	6.8
SW	1.5	.4	.4	.2	.7							2.5	4.5
WSW	.4	.2	.4	.2	.7							1.7	3.4
W	.7	.5	.5	.5								2.5	6.2
WNW	.5	.9	1.3	1.0	.2							3.9	5.8
NW	1.1	1.3	1.3	1.2	.0	.7						6.1	7.3
NNW	1.4	2.2	2.1	2.5	.0							8.1	8.0
VARBL													
CALM												13.7	
	20.0	25.0	23.5	16.1	1.6	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2470

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2243 DALLAS, TX STATION NAME 73-82 YEARS DEC  
CLASS ALL WEATHER MONTH 20  
CONDITION NOVEMBER 1957

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	2.0	2.9								9.7	3.2
NNE	.3	.6		.3								1.3	6.8
NE	.3	.7			.3							1.3	6.7
ENE													
E	1.0	1.3										2.3	3.7
ESE		.6	1.0									1.6	7.3
SE	1.6	2.3	1.9									5.8	5.1
SSE	.6	1.0	2.3	1.9								6.8	8.1
S	2.3	3.0	5.5	7.1	.3							19.8	9.0
SSW	3.2	3.4	1.9	1.3								10.2	5.3
SW	2.9	1.0	.6									4.5	3.5
WSW	1.0	.3	.3									1.6	4.4
W	.6	1.3	.6	.6								3.2	7.2
WNW	.3	.3	1.0	.3								1.9	6.3
NW	1.6	2.9	3.5	1.3								9.6	6.8
NNW	1.0	1.9	2.3	1.9	1.0							8.1	8.9
VARBL													
CALM												13.9	
	19.4	24.5	23.4	17.7	1.6							100.2	6.2

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME COLLEAS, TX YEARS 73-82 MONTH DEC  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.4	2.6	2.6	.6							10.0	9.2
NNE	1.9	.5										2.6	3.4
NE	.5	.7	.7									1.3	4.3
ENE	.7		.7									.6	5.0
E	.5											.6	2.5
ESE	.7	1.2	.5									2.3	5.6
SE	.5	.7	.7	.3								1.6	5.2
SSE	.5	4.3	1.2	1.2		.7						8.1	6.8
S	1.3	3.5	5.1	5.5	.6							17.7	8.9
SSW	1.5	5.5	3.2	1.2								13.2	5.6
SW	2.6	1.3										3.7	2.8
WSW	1.5	.7	.3									2.6	2.9
W	1.3	.6		.7								2.3	3.9
WNW	.5	1.7	1.5	1.7								5.2	7.7
NW	.5	1.6	1.2	1.9								5.1	6.4
NNW	.5	4.2	2.0	1.9								9.7	7.6
VARM													
CALM												13.2	
	12.7	29.4	20.3	15.8	1.3	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 317

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1951-52 MONTH DEC  
 CLASS ALL WEATHER HOURS (LST) 06  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	1.3	1.0								5.4	6.0
NNE	1.7	.3		.4								2.3	5.4
NE	.6	.6										1.2	5.4
ENE		.6	.3									1.0	5.3
E	.7	.6	.7									1.6	4.3
ESE	.6	1.3	.6									2.6	5.3
SE	1.7	2.3		.6								4.2	5.6
SSE		1.3	2.3	1.7								4.5	5.6
S	.6	4.5	6.9	7.2	1.0							18.4	7.9
SSW	1.7	4.2	2.9	1.0								11.3	6.7
SW	1.7	.3										3.5	2.6
WSW	1.6	.6										2.2	2.6
W	.4	1.7		.5								1.9	5.5
WNW		1.7	1.9	.6								4.2	7.9
NW	1.6	1.0	1.3	2.0	.3							5.1	3.4
NNW	2.7	1.3	2.6	2.6	.3							10.0	7.6
VARBL													
CALM												14.6	
	21.5	25.6	20.3	14.8	1.6							102.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1950-1951 REF 000  
CLASS ALL WEATHER NORTH 00  
CONDITION  HOURS 11.5

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	2.0	0.0							8.0	6.5
NNE	1.0	1.0										2.0	3.0
NE	1.0	1.0										1.0	3.0
ENE	1.0	1.0	0.0									2.0	4.5
E	0.0	0.0										1.0	2.0
ESE	0.0	1.0										1.0	4.0
SE	1.0	1.0	1.0	0.0								2.0	7.0
SSE	1.0	1.0	1.0	1.0								9.0	7.0
S	2.0	2.0	4.0	5.0	0.0							15.0	8.0
SSW	1.0	4.0	0.0	2.0	0.0							15.0	7.0
SW	1.0	0.0										1.0	3.0
WSW	1.0		0.0									1.0	1.0
W	0.0	1.0	0.0	1.0								2.0	2.0
WNW		0.0	0.0	0.0								1.0	1.0
NW	0.0	1.0	1.0	2.0	0.0							8.0	10.0
NNW	0.0	1.0	0.0	1.0	0.0							10.0	9.0
VARIABLE													
CALM												13.0	
	1.0	21.0	27.0	20.0	2.0							10.0	6.0

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1951-52 MONTH NOV

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.3	2.3	4.5	1.7							10.8	12.1
NNE	.5	2.5	1.1	.3								4.5	6.3
NE	.5	.5	.7	.3								1.5	3.2
ENE	.5	.5										1.5	3.7
E		.5	.7									1.5	4.3
ESE	.5	1.7	.5									1.5	5.2
SE	1.5	1.7	1.7									4.5	4.9
SSE	1.5	2.5	1.5	1.3	.7							11.0	6.7
S	1.5	1.5	2.5	4.2	1.9	.5						12.7	11.0
SSW		1.5	1.5	3.2	1.9							9.5	11.6
SW		1.5	.5	.5								2.5	9.0
WSW	.5	1.5	1.7	.7								2.5	6.9
W	.5	1.5	1.7	1.9	.3							5.2	10.5
WNW		.5	1.7	1.9								4.5	9.5
NW		1.7	2.5	1.6	.3	.7						5.5	10.1
NNW	1.5	.5	2.5	4.2	.5							9.5	10.4
VARBL													
CALM												4.5	
	12.5	21.0	28.4	27.7	6.5	1.5						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 210

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME ALL WEATHER YEARS 13-17 REF 15  
CLASS ALL WEATHER NORTH 15  
CONDITION ALL WEATHER HOURS (L S T) 15

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.0	1.0	2.0	1.0							12.0	9.4
NNE	0.0	1.0	0.0									1.0	0.0
NE	0.0											0.0	2.0
ENE		0.0	0.0									1.0	1.0
E	1.0	1.0	0.0									2.0	3.0
ESE	1.0	1.0	1.0									3.0	4.0
SE	1.0	2.0	0.0									4.0	5.0
SSE	1.0	1.0	0.0	0.0		0.0						3.0	4.0
S	1.0	0.0	1.0	0.0	1.0							1.0	1.1
SSW	0.0		0.0	1.0	1.0							2.0	11.3
SW	0.0	0.0	1.0	0.0								3.0	7.0
WSW	0.0	1.0		1.0								2.0	0.0
W	0.0	1.0	0.0	1.0								3.0	6.0
WNW		0.0	1.0	2.0	0.0							4.0	11.5
NW	0.0	1.0	1.0	0.0	0.0							6.0	1.0
NNW		0.0	0.0	0.0	0.0							0.0	1.0
VARBL													
CALM													
	12.0	10.0	12.0	17.0	4.0	0.0						10.0	4.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 17-50 YEARS REC  
CLASS ALL WEATHER HOURS (L.S.Y.) 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	1.3	3.7	.3							10.0	7.6
NNE	1.0	1.6	.3									3.2	4.5
NE	1.0	.6										1.6	3.0
ENE	1.0	1.3	.3	.3								3.6	4.4
E	2.0	.6	1.0									4.2	4.1
ESE	1.3	3.7	.3									4.9	4.9
SE	2.3	1.0	1.6	.3								5.1	5.1
SSE	2.3	4.9	1.2	2.3								11.7	6.8
S	2.0	7.0	5.2	3.2								14.9	7.1
SSW	.3	1.3	.7									2.3	5.0
SW		.6										.6	5.0
WSW	1.0		.3									1.3	3.5
W	1.0	1.1	.3	.3	.6	.3						3.0	8.9
WNW	.3	1.1	1.6	.3								3.4	6.4
NW	.3	2.6	1.7	.6								4.9	7.2
NNW	1.0	1.0	4.5	3.2	.3							12.0	6.5
VARBL													
CALM												9.1	
	25.0	31.1	20.4	13.2	1.3	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 300

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX STATION NAME 75-82 YEARS DEC  
ALL WEATHER MONTH 21  
 CLASS 21  
 HOURS (LST) 21  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.0	1.7	2.7	.6							7.4	8.8
NNE	1.7	.5	1.7									3.2	4.4
NE	.5		.7									1.0	4.3
ENE	.7											.3	2.0
E	1.7	1.7	.7									2.6	3.6
ESE	1.7	1.7	1.7	.3								4.2	6.0
SE	1.7	1.7	1.7	.6								4.5	6.0
SSE	1.7	3.7	4.2	1.2								10.7	7.3
S	2.7	4.7	2.7	6.5	.6							18.8	8.2
SSW	1.2	2.5	.7	1.2								7.1	4.8
SW	1.7		.7									1.0	3.0
WSW	1.7	.7										1.6	3.2
W	.6	1.7	.7									1.0	4.5
WNW	.7	2.3	.6	.6								3.9	6.8
NW	.6	1.0	1.0	.6	.6							5.3	8.5
NNW	1.7	2.9	4.2	3.2								11.3	8.2
VARBL													
CALM												14.7	
	12.1	26.9	20.7	17.2	1.9							100.7	6.0

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME XX-82 YEARS 05C  
ALL WEATHER MONTH ALL  
CLAS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.3	2.4	2.3	.5							9.7	5.6
NNE	1.1	1.0	.4	.2								2.7	5.0
NE	.2	.4	.1	.3	.0							1.2	4.6
ENE	.0	.5	.7	.0								1.3	4.5
E	1.1	.7	.3									2.0	3.9
ESE	.5	1.4	.7	.0								2.7	5.5
SE	1.2	1.0	.9	.3								4.4	5.3
SSE	1.7	3.0	2.7	1.7	.0	.1						6.9	7.4
S	2.3	3.6	5.6	5.9	.8	.1						18.4	9.0
SSW	2.1	2.0	2.1	1.6	.4							7.7	7.0
SW	1.4	.6	.4	.2								2.6	4.5
WSW	1.1	.4	.3	.2								2.0	4.6
W	.7	1.1	.7	.6	.1	.1						3.4	7.9
WNW	.7	1.1	1.1	1.0	.1							3.4	8.3
NW	.4	1.0	2.1	1.0	.3	.1						6.9	8.7
NNW	1.1	2.0	3.6	2.0	.4							10.7	3.9
VARB.													
CALM												11.1	
	17.4	25.0	24.2	12.4	2.7	.2						100.7	6.6

TOTAL NUMBER OF OBSERVATIONS 2678

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL WEATHER YEARS: 1977 MONTH: ALL  
CLAS: ALL HOURS (L.S.T.): ALL  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	7.0	1.0
NNE	1.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.4
ESE	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	1.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	1.0
SSE	1.0	.0	4.0	2.0	.0	.0	.0	.0	.0	.0	.0	12.0	7.6
S	.0	1.0	7.0	5.0	.0	.0	.0	.0	.0	.0	.0	11.0	.0
SSW	.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	7.0	1.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.5
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0
NW	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.3
NNW	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	3.0	1.1
VARBL												.0	
CALM												.0	
	17.0	6.0	7.0	15.0	1.0	.0	.0	.0	.0	.0	.0	10.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 111

SMOS

5702 SURFACE WINDS JAN 78



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION DALLAS, TX

STATION NAME

73-82

YEARS

ALL  
MONTH

INSTRUMENT

CLASS

ALL  
HOURLY

CIG 200 TO 1400 FT W/VISBY 1/2 MI OR MORE.

CONDITION

AND/OR VISBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.7	4.5	2.2	.2							11.6	7.7
NNE	1.1	2.2	1.7	.8		.7						5.3	5.7
NE	1.0	1.2	.7	.3	.0							3.7	5.5
ENE	.6	1.4	1.1	.2								3.6	5.8
E	1.4	2.1	1.6	.3	.1							5.6	5.6
ESE	1.2	2.2	1.4	.6	.2							5.2	6.7
SE	1.2	2.4	2.5	.9	.0							7.0	6.2
SSE	1.7	3.6	3.2	2.2	.1							11.0	7.7
S	1.1	3.4	5.7	3.6	.4							14.8	8.4
SSW	.1	.7	.5	.6	.1							2.3	7.7
SW	.1	.2	.1		.0							.9	9.5
WSW	.1	.0	.1	.2		.0						.5	6.3
W	.5	.7	.6	.3	.1							2.1	7.0
WNW	.2	.7	1.2	1.1		.0						3.3	9.1
NW	.5	1.1	2.2	1.7	.2							6.7	8.8
NNW	.1	2.7	3.1	2.8	.3	.0						10.1	8.7
VARIABLE													
CALM												6.5	
	13.2	29.2	30.1	17.7	1.3	.2						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

2547

SMOS

NOCD, Federal Building  
Asheville, N. C.

## PART D

## CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .

For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.

Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:

Visibility  $\geq 3$  miles = 95.4%.

Visibility  $\geq 2$  miles = 96.9%.

Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

## PART D

### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10  
Scattered converted to 3/10  
Broken converted to 9/10  
Overcast converted to 10/10  
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: JAN  
 STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: JAN  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (LST): 0000-2359

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
18000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
16000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
14000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
12000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
10000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
9000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
8000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
7000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
6000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
5000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
4500	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
4000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
3500	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
3000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2500	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
1800	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
1500	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
1200	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
1000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
900	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
800	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
700	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
600	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
500	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
400	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
300	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
200	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
100	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
0	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	4.4	21.0	51.0	51.1	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 18000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 16000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 14000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 12000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 10000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 9000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 8000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 7000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 6000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 5000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 4500	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 4000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 3500	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 3000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 2500	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 2000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 1800	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 1500	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 1200	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 1000	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 900	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 800	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 700	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 600	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 500	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 400	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 300	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 200	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 100	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IVN 0	2.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	7.7	41.8	47.8	47.1	44.7	40.8	34.0	24.0	14.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
≥ 20000	1.0	45.7	51.7	47.1	47.7	42.7	34.0	24.0	14.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
18000	1.0	46.8	51.7	47.1	47.7	42.7	34.0	24.0	14.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
16000	1.0	46.8	47.8	44.1	40.7	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
14000	1.0	47.1	47.7	44.4	40.8	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
12000	1.0	47.7	47.8	44.4	40.8	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
10000	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
9000	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
8000	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
7000	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
6000	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
5000	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
4500	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
4000	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
3500	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
3000	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
2500	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
2000	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
1800	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
1600	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
1400	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
1200	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
1000	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
900	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
800	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
700	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
600	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
500	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
400	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
300	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
200	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
100	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1
0	1.0	47.7	51.7	47.8	44.4	34.0	24.0	14.0	10.0	10.0	4.0	2.0	1.0	0.5	0.2	0.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS 12.5.7

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 18000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 16000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 14000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 12000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 10000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 9000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 8000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 7000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 6000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 5000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 4500	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 4000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 3500	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 3000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 2500	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 2000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 1800	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 1500	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 1200	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 1000	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 900	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 800	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 700	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 600	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 500	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 400	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 300	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 200	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 100	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 0	47.3	46.5	44.5	44.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 4	≥ 0
NO CEILING	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 18000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 16000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 9000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 8000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 7000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 6000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 5000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3500	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2500	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1800	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1500	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1200	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 900	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 800	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 700	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 600	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 500	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 400	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 300	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 200	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 100	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 0	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)11  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
≥ 20000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 18000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 16000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 14000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 12000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 10000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 9000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 8000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 7000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 6000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 5000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 4500	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 4000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 3500	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 3000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 2500	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 2000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 1800	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 1500	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 1200	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 1000	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 900	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 800	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 700	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 600	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 500	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 400	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 300	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 200	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 100	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6
IV 0	1.7	3.2	5.4	7.6	9.7	12.0	13.6	15.6	17.6	19.6	21.6	23.6	25.6	27.6	29.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 18000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 16000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 10000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 9000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 8000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 7000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 6000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 5000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 2500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 2000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 900	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 700	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 600	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 400	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 300	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 100	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5

TOTAL NUMBER OF OBSERVATIONS

117

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

JAN

MARCH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
4000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1800	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1200	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
900	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
800	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
700	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
600	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
400	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
300	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
200	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
100	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

TOTAL NUMBER OF OBSERVATIONS

57

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.3	59.0	55.5	55.5	55.6	59.7	59.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	2.4	3.5	5.9	54.2	54.2	54.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 18000	2.4	3.5	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 16000	2.4	3.5	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 14000	2.4	3.5	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 12000	3.1	4.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 10000	4.1	5.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 9000	5.1	6.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 8000	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 7000	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 6000	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 5000	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4500	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4000	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3500	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3000	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 2500	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 2000	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1800	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1500	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1200	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1000	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 900	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 800	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 700	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 600	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 500	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 400	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 300	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 200	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 100	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 0	6.1	7.2	6.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

72-12

YEARS

DATE

MONTH

DAY

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
18000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
16000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
14000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
12000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
10000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
9000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
8000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
7000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
6000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
5000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
4500	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
4000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
3500	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
3000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2500	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1800	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1500	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1200	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1000	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
900	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
800	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
700	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
600	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
500	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
400	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
300	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
200	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
100	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
0	51.4	58.4	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.0	45.3	44.7	44.4	44.0	43.7	43.1	41.4	41.4	41.2	41.1	41.0	41.0	41.0	41.0	41.0
≥ 20000	1.0	12.0	51.1	54.3	54.6	54.6	55.0	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 18000	1.0	12.0	51.1	54.3	54.6	54.6	55.0	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 16000	1.0	12.0	51.1	54.3	54.6	54.6	55.0	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	1.0	12.0	51.1	54.3	54.6	54.6	55.0	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 12000	1.0	12.0	51.1	54.3	54.6	54.6	55.0	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 10000	2.6	16.4	57.1	57.6	58.2	58.2	58.3	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 9000	2.6	16.4	57.1	57.6	58.2	58.2	58.3	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 8000	5.3	18.2	57.2	57.9	58.3	58.3	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 7000	5.3	18.2	57.2	57.9	58.3	58.3	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 6000	5.3	18.2	57.2	57.9	58.3	58.3	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 5000	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4500	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4000	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3500	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3000	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 2500	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 2000	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1800	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1500	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1200	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1000	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 900	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 800	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 700	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 600	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 500	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 400	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 300	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 200	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 100	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 0	12.5	21.7	62.1	62.3	63.1	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2

TOTAL NUMBER OF OBSERVATIONS

222

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME STATION NAME YEARS MONTH HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	5.0	42.0	47.3	44.7	45.7	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 18000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 16000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 14000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 12000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 10000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 9000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 8000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 7000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 6000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 5000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 4500	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 4000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 3500	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 3000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 2500	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 2000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 1800	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 1500	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 1200	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 1000	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 900	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 800	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 700	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 600	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 500	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 400	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 300	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 200	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 100	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
IV 0	44.7	46.2	5.0	1.4	3.5	3.7	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, TN YEAR: 1967 MONTH: 1 HOURS (LST): 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.9	46.9	48.0	48.9	49.9	50.9	51.9	52.9	53.9	54.9	55.9	56.9	57.9	58.9	59.9	60.9
≥ 20000	1.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 18000	1.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 16000	1.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 14000	1.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	1.3	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 10000	56.7	51.7	51.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 9000	56.7	61.7	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 8000	56.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 7000	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 6000	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 5000	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4500	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4000	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 3500	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 3000	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 2500	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 2000	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 1800	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 1500	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 1200	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 1000	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 900	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 800	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 700	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 600	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 500	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 400	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 300	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 200	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 100	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 0	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1

TOTAL NUMBER OF OBSERVATIONS: 232

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

75-97

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 18000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 16000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 14000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 12000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 10000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 9000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 8000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 7000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 6000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 5000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 4500	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 4000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 3500	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 3000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 2500	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 2000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 1800	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 1500	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 1200	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 1000	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 900	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 800	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 700	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 600	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 500	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 400	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 300	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 200	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 100	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 0	11.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼
NO CEILING	4.3	5.7	5.7	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
≥ 20000	4.3	4.6	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 18000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 16000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 14000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 12000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 10000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 9000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 8000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 7000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 6000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 5000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 4500	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 4000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 3500	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 3000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 2500	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 2000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1800	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1500	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1200	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1000	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 900	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 800	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 700	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 600	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 500	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 400	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 300	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 200	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 100	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 0	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7

TOTAL NUMBER OF OBSERVATIONS

282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1951 MONTH: 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
18000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
16000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
14000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
12000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
10000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
9000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
8000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
7000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
6000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
5000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
4500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
4000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
3500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
3000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
2500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
2000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
1800	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
1500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
1200	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
1000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
900	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
800	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
700	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
600	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
400	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
300	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
200	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
100	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7

TOTAL NUMBER OF OBSERVATIONS: 1000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	5.5	2.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
≥ 20000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 18000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 16000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 14000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 12000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 10000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 9000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 8000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 7000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 6000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 5000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 4500	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 4000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 3500	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 3000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 2500	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 2000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 1800	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 1500	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 1200	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 1000	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 900	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 800	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 700	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 600	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 500	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 400	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 300	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 200	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 100	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
IV 0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



AD A150 499

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
DALLAS TEXAS(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT  
ASHEVILLE NC AUG 84

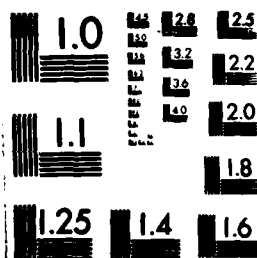
34

UNCLASSIFIED

FIG. 412

N





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1957 MONTH: 03  
 HOURS (LST): 00

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	1.7	3.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
18000	1.7	54.2	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
16000	1.7	54.2	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
14000	1.7	54.2	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
12000	3.2	55.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
10000	5.9	56.5	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
9000	57.1	60.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
8000	57.4	62.0	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
7000	61.3	63.9	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
6000	60.7	64.2	64.6	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
5000	62.7	66.5	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
4500	63.6	67.7	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
4000	64.2	68.7	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
3500	65.2	70.0	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
3000	66.5	71.3	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2500	67.7	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2000	71.3	77.4	78.1	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
1800	73.9	79.7	80.3	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1500	77.7	81.9	84.5	85.2	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1200	81.3	84.4	89.4	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1000	80.7	81.3	92.3	92.9	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
900	83.6	81.3	92.6	93.2	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
800	83.6	81.9	93.2	93.9	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
700	85.2	83.2	94.8	95.5	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
600	85.2	83.6	95.2	96.1	96.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
500	85.2	83.9	95.5	96.8	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
400	85.2	83.9	95.5	97.1	97.4	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
300	85.2	83.9	95.5	97.1	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	85.2	83.9	95.5	97.1	98.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	85.2	83.9	95.5	97.1	98.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	85.2	83.9	95.5	97.1	98.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

93-97

YEARS

# 42

DIRECTION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.7	42.3	42.9	42.9	42.9	43.2	43.6	43.6	43.6	43.9	43.9	43.9	44.2	44.2	44.2	44.2
≥ 20000	42.9	46.9	47.1	47.1	47.1	47.4	47.7	47.7	47.7	48.1	48.1	48.1	48.4	48.4	48.4	48.4
IV 18000	43.2	46.9	47.4	47.4	47.4	47.7	48.1	48.1	48.1	48.4	48.4	48.4	48.7	48.7	48.7	48.7
IV 16000	43.2	46.9	47.4	47.4	47.4	47.7	48.1	48.1	48.1	48.4	48.4	48.4	48.7	48.7	48.7	48.7
IV 14000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 12000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 10000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 9000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 8000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 7000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 6000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 5000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 4500	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 4000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 3500	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 3000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 2500	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 2000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 1800	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 1500	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 1200	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 1000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 900	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 800	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 700	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 600	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 500	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 400	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 300	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 200	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 100	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 0	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, TN

STATION NAME

73-52

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	36.1	39.0	37.6	45.0	43.3	40.3	40.2	47.3	40.9	40.3	40.3	47.3	40.3	40.3	40.3	47.7
≥ 20000	42.5	46.1	46.8	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 18000	42.5	46.9	46.8	46.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 16000	42.5	46.8	47.1	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 14000	43.3	47.1	47.4	48.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 12000	44.5	49.7	49.4	51.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 10000	48.4	53.6	54.2	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 9000	48.7	53.9	54.8	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	50.0	55.3	57.1	59.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 7000	50.7	57.1	56.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 6000	51.6	58.1	59.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 5000	52.0	60.3	62.3	63.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 4500	53.6	60.7	62.4	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 4000	54.8	62.6	64.5	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 3500	55.3	63.2	65.2	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3000	56.1	64.5	66.5	68.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 2500	56.4	67.7	69.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 2000	57.1	70.0	71.9	73.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1800	57.3	71.3	73.2	75.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 1500	57.7	75.9	78.1	80.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1200	58.1	77.7	80.3	83.6	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	58.5	79.1	82.6	85.8	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 900	58.8	80.3	84.2	87.1	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 800	57.1	81.0	84.3	89.0	91.6	91.9	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 700	57.4	81.6	85.9	89.7	92.6	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 600	57.4	81.6	85.9	90.3	93.6	94.7	94.3	94.3	94.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500	57.4	82.3	86.4	91.3	94.8	95.3	95.3	95.3	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 400	57.4	82.3	86.4	91.6	95.2	96.9	97.1	97.1	97.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	57.4	82.3	86.4	91.6	95.5	97.1	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	57.4	82.3	86.4	91.6	95.5	97.1	97.7	97.7	97.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	57.4	82.3	86.4	91.6	95.5	97.1	97.7	97.7	97.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	57.4	82.3	86.4	91.6	95.5	97.1	97.7	97.7	97.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

72-52

YEARS

MO

DAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 18000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 16000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 14000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 12000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 10000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 9000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 8000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 7000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 6000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 5000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 4500	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 4000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 3500	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 3000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 2500	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 2000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 1800	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 1500	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 1200	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 1000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 900	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 800	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 700	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 600	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 500	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 400	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 300	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 200	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 100	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 0	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

081135, 7

STATION NAME

73-17

YEARS

MONTH

11

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	47.7	38.4	47.4	44.4	44.4	45.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 20000	57.7	40.4	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 18000	57.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 16000	57.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	51.0	51.0	61.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 12000	51.0	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 10000	56.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 9000	56.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 8000	56.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000	56.5	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 6000	56.5	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	56.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	71.9	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4000	74.5	76.5	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3500	64.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3000	70.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	56.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2000	56.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1800	56.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500	70.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 800	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 700	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 600	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 500	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 400	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 300	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 200	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 100	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 0	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

211

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
73901STATION NAME  
DALLAS, TXYEARS  
73-82MONTH  
MAYPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)HOURS (L & T)  
15

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING	42.6	44.2	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000	42.6	44.2	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	43.4	45.5	55.8	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	44.2	46.1	56.5	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	45.5	47.4	57.7	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	46.7	48.7	59.0	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 10000	48.0	50.0	60.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	49.3	51.3	61.6	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	50.6	52.6	62.9	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	51.9	53.9	64.2	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	53.2	55.2	65.5	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	54.5	56.5	66.8	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 4300	55.8	57.8	68.1	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4000	57.1	59.1	69.4	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3300	58.4	60.4	70.7	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	59.7	61.7	72.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 2300	61.0	63.0	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2000	62.3	64.3	74.6	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1800	63.6	65.6	75.9	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1500	64.9	66.9	77.2	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1200	66.2	68.2	78.5	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1000	67.5	69.5	79.8	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 900	68.8	70.8	81.1	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 800	70.1	72.1	82.4	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 700	71.4	73.4	83.7	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 600	72.7	74.7	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 500	74.0	76.0	86.3	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 400	75.3	77.3	87.6	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 300	76.6	78.6	88.9	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 200	77.9	79.9	90.2	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 100	79.2	81.2	91.5	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 0	80.5	82.5	92.8	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

73-82

YEARS

14.1

MONTH

71

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	57.4	59.4	59.4	59.7	61.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	63.4	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 18000	64.2	66.5	66.5	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 16000	64.5	66.8	66.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	65.5	67.7	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 12000	67.7	70.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000	71.1	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	71.3	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	73.2	75.8	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 7000	74.9	77.4	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 6000	74.9	77.7	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 5000	77.1	80.0	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500	77.1	80.7	80.7	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	77.1	80.7	80.7	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	74.4	81.9	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	80.0	84.2	84.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	83.6	87.7	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1200	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1000	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 900	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 700	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 600	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 500	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 400	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 300	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 200	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 100	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 0	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0

TOTAL NUMBER OF OBSERVATIONS

311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

73-77

YEARS

DATE

MONT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

NOV 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/4
NO CEILING	47.7	49.1	50.0	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	56.4	57.7	58.0	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IN 18000	55.1	56.2	56.5	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IN 16000	53.1	54.4	54.6	54.9	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IN 14000	51.1	52.4	52.6	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 12000	49.1	50.4	50.6	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IN 10000	47.1	48.4	48.6	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IN 9000	45.1	46.4	46.6	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IN 8000	43.1	44.4	44.6	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IN 7000	41.1	42.4	42.6	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IN 6000	39.1	40.4	40.6	40.9	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IN 5000	37.1	38.4	38.6	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IN 4500	35.1	36.4	36.6	36.9	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IN 4000	33.1	34.4	34.6	34.9	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
IN 3500	31.1	32.4	32.6	32.9	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IN 3000	29.1	30.4	30.6	30.9	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
IN 2500	27.1	28.4	28.6	28.9	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
IN 2000	25.1	26.4	26.6	26.9	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
IN 1800	23.1	24.4	24.6	24.9	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
IN 1500	21.1	22.4	22.6	22.9	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
IN 1200	19.1	20.4	20.6	20.9	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
IN 1000	17.1	18.4	18.6	18.9	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
IN 900	15.1	16.4	16.6	16.9	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
IN 800	13.1	14.4	14.6	14.9	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
IN 700	11.1	12.4	12.6	12.9	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
IN 600	9.1	10.4	10.6	10.9	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
IN 500	7.1	8.4	8.6	8.9	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
IN 400	5.1	6.4	6.6	6.9	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IN 300	3.1	4.4	4.6	4.9	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
IN 200	1.1	2.4	2.6	2.9	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IN 100	0.1	0.4	0.6	0.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
IN 0	0.1	0.4	0.6	0.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

TOTAL NUMBER OF OBSERVATIONS

24

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1950-1951 MONTH NOV  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/4
NO CEILING	51.0	58.0	51.0	49.0	59.0	49.0	48.0	49.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	51.0	65.0	65.0	66.0	66.0	66.0	64.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 18000	51.0	65.0	65.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 16000	51.0	65.0	65.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 14000	51.0	66.0	66.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 12000	51.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 10000	57.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	57.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	57.0	73.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	57.0	74.0	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 6000	57.0	75.0	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 5000	57.0	77.0	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4500	57.0	78.0	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	57.0	79.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	57.0	81.0	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 3000	57.0	84.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2500	57.0	87.0	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000	57.0	88.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	57.0	89.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1500	57.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1200	57.0	91.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000	57.0	92.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 900	57.0	93.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	57.0	93.0	93.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	57.0	94.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 600	57.0	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 500	57.0	95.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 400	57.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 300	57.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 200	57.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 100	57.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 0	57.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

FALCONS, VT

STATION NAME

13-42

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

NOVEMBER

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	53.7	56.3	51.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 18000	53.7	56.3	51.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 16000	53.7	56.3	51.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000	53.7	56.3	51.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 12000	54.7	57.3	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 10000	55.7	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 9000	55.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 8000	55.7	63.7	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 7000	52.7	66.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 6000	55.7	68.7	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 5000	57.3	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4500	57.3	71.3	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4000	55.7	72.0	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3500	55.7	73.0	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3000	52.3	76.3	77.3	77.3	76.0	75.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2500	54.7	76.7	75.3	75.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2000	57.7	83.3	84.3	84.3	84.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800	78.7	84.3	85.3	85.3	86.7	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1500	52.3	87.7	89.7	89.7	89.7	89.7	90.0	90.3	90.7	90.3	90.3	90.3	90.3	90.3	90.3
IV 1200	54.3	89.7	91.7	91.7	91.7	91.7	92.0	92.3	92.7	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000	54.3	90.3	92.3	92.3	93.0	93.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900	54.7	91.0	93.3	93.0	93.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 800	55.7	92.3	94.3	94.7	95.3	95.3	95.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	56.3	93.0	95.0	95.3	96.0	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	57.0	94.3	96.3	96.7	97.3	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	57.0	94.7	96.7	97.3	97.7	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	57.0	94.7	97.3	97.3	98.0	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	57.0	94.7	97.3	97.3	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	57.0	94.7	97.3	97.3	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	57.0	94.7	97.3	97.3	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	57.0	94.7	97.3	97.3	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.7	44.7	44.7	44.7	43.8	43.3	45.7	46.7	45.7	45.7	42.7	43.7	45.7	45.7	44.7	44.7
≥ 20000	43.7	47.7	47.7	44.7	43.7	43.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 10000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 8000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 7000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 6000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 5000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4500	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3500	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2500	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1800	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1500	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1200	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1000	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 900	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 800	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 700	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 600	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 500	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 400	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 300	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 200	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 100	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 0	45.7	47.7	47.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7

TOTAL NUMBER OF OBSERVATIONS

316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1967 MONTH: 1 DAY: 1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

STATION: ASHEVILLE, NC NORTH: 1 HOURS: 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NUMBER: 71-10 YEARS: 1947 MONTH: 12 HOURS: 11 & 1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 20000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 18000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 16000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 14000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 12000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 10000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 9000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 8000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 7000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 6000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 5000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 4500	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 4000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 3500	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 3000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 2500	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 2000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 1800	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 1500	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 1200	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 1000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 900	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 800	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 700	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 600	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 500	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 400	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 300	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 200	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 100	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: DALLAS, TX STATION: 75-00 YEARS: 40 MONTH: 15 HOURS (LST):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 0
NO CEILING	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 18000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 16000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 14000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 12000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 10000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 8000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 7000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 6000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 5000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 4500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 4000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 3500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 3000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 2500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 2000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 1800	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 1500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 1200	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 1000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 900	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 800	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 700	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 600	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 400	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 300	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 200	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 100	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IN 0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7

TOTAL NUMBER OF OBSERVATIONS: 70

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DATE

STATION NAME

YEAR

MONTH

AP

1

HOURS (L & T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 10000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 6000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 5000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4500	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 3500	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 3000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 2500	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 2000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 1800	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 1500	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 1200	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 1000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 900	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 800	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 700	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 600	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 500	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 400	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 300	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 200	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 100	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-32

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

21

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	61.7	62.7	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000	61.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 18000	61.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 16000	61.7	70.0	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	61.7	70.7	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 12000	61.7	71.0	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 10000	61.7	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	61.7	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	61.7	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	61.7	78.7	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 6000	61.7	79.0	79.0	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 5000	61.7	82.7	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4500	61.7	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	61.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	61.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000	61.7	87.3	87.3	87.3	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	61.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000	61.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1800	61.7	89.7	89.7	89.7	89.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	61.7	91.3	91.3	91.3	91.3	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	61.7	92.0	92.0	92.0	92.0	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	61.7	93.3	93.3	93.3	93.3	93.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 900	61.7	93.3	93.3	93.3	93.3	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	61.7	93.7	93.7	93.7	93.7	93.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	61.7	94.0	94.0	94.0	94.0	94.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	61.7	94.7	94.7	94.7	94.7	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	61.7	94.7	94.7	94.7	94.7	94.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	61.7	94.7	94.7	94.7	94.7	94.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	61.7	94.7	94.7	94.7	94.7	94.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	61.7	94.7	94.7	94.7	94.7	94.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	61.7	94.7	94.7	94.7	94.7	94.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	61.7	94.7	94.7	94.7	94.7	94.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: \_\_\_\_\_ STATION NAME: \_\_\_\_\_ YEARS: \_\_\_\_\_ MONTH: \_\_\_\_\_  
 DATE: \_\_\_\_\_ ALL  
 HOURS (L & Y): \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 3/8	≥ 0
NO CEILING	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 6000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 5000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4500	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3500	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2500	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1800	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1600	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1400	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1200	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 900	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 800	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 700	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 600	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 500	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 400	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 300	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 200	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 100	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 0	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS: 2420

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

JALIAS, TX

STATION NAME

73-12

YEARS

48Y

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS 11.5 Y

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 20000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 18000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 14000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 12000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 10000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 4000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3500	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2500	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1800	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1962

YEARS

MAY

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	54.4	54.2	54.2	54.5	54.8	54.8	54.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IVV 18000	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IVV 16000	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IVV 14000	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IVV 12000	60.2	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IVV 10000	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IVV 9000	66.2	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IVV 8000	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IVV 7000	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IVV 6000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IVV 5000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IVV 4500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IVV 4000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IVV 3500	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IVV 3000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IVV 2500	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IVV 2000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IVV 1800	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IVV 1500	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IVV 1200	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IVV 1000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IVV 900	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IVV 800	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVV 700	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVV 600	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IVV 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IVV 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVV 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

73-07

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)Jc  
HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.1	30.1	40.7	41.6	44.5	45.1	45.9	46.8	49.0	45.4	44.8	45.2	45.8	45.0	45.0	45.0
≥ 20000	29.7	34.4	44.2	47.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	30.7	37.4	44.2	47.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	30.7	39.4	44.2	47.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	30.7	39.4	44.2	47.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 10000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 8000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 7000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 6000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 5000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4500	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3500	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2500	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1800	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1500	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1200	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1000	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 900	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 800	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 700	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 600	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 500	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 400	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 300	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 200	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 100	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 0	30.7	40.4	44.2	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

7-12

YEARS

MAY

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
18000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
16000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
14000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
12000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
10000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
9000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
8000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
7000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
6000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
5000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
4500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
4000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
3500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
3000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1600	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1400	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
1000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
900	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
700	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
600	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
400	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
300	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
100	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
0	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS

7 4

DIRNAVOCEANMET

SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DATE

STATION NAME

TIME

YEARS

DAY

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 18000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 16000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 14000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 12000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 10000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 9000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 8000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 7000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 6000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 5000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 4500	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 4000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 3500	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 3000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 2500	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 2000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 1800	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 1500	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 1200	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 1000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 900	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 800	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 700	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 600	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 500	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 400	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 300	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 200	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 100	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 0	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

TABLE 1

STATION NAME

13-72

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	47.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 18000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 16000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 14000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 12000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 10000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 9000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 8000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 7000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 6000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 5000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 4500	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 4000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 3500	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 3000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 2500	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 2000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 1800	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 1500	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 1200	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 1000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 900	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 800	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 700	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 600	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 500	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 400	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 300	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 200	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 100	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.1	54.7	59.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 20000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 18000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 16000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 14000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 12000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000	76.0	76.0	76.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 9000	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 7000	80.0	80.0	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 6000	81.0	81.0	81.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 5000	83.2	83.2	83.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 4500	84.2	84.2	84.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3500	87.7	87.7	87.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	91.0	91.0	91.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000	93.9	93.9	93.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1800	95.8	95.8	95.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1500	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.0	73.0	63.0	63.0	63.0	53.0	53.0	43.0	43.0	33.0	33.0	23.0	23.0	13.0	13.0	13.0
IV 20000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 18000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 16000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 14000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 12000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 9000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 7000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 6000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 5000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4500	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3500	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2500	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1800	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1500	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1200	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 900	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 800	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 700	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 600	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 500	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 400	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 300	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 200	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 100	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 0	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1954-1955 MONTH ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.4	1.0	51.3	11.7	51.0	11.3	57.3	11.0	52.0	52.0	50.0	52.0	50.0	52.0	50.0	50.0
≥ 20000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 18000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 16000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 9000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 8000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 7000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 6000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 5000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1800	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1200	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 900	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 800	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 700	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 600	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 400	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 300	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 200	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 100	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7

TOTAL NUMBER OF OBSERVATIONS 247

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-52 MONTH: NOV  
 STATION: 00 HOURS (LST): 00

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅕	≥ 0
NO CEILING	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 20000	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IVIV 18000	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
IVIV 16000	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
IVIV 14000	12.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 12000	12.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 10000	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IVIV 9000	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IVIV 8000	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IVIV 7000	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IVIV 6000	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IVIV 5000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 4500	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 4000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 3500	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 3000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 2500	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 2000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 1800	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 1500	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 1200	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 1000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 900	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 800	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 700	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 600	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 500	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 400	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 300	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 200	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 100	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
IVIV 0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
DAVID

STATION NAME  
DALLAS, TX

YEARS  
73-74

MONTH  
JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DATE  
73

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	76.7	67.7	64.3	63.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 20000	75.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 18000	75.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 16000	75.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 14000	75.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 12000	74.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 10000	77.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 9000	77.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 8000	81.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 7000	81.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 6000	82.3	83.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 5000	82.3	85.3	86.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4500	82.3	85.3	87.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4000	84.3	86.7	89.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3500	84.3	86.7	89.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3000	85.7	87.3	89.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	86.3	88.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	89.3	91.0	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	90.7	91.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1600	91.0	93.7	95.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1400	92.0	95.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	93.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

73-92

YEARS

JUL

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

26  
HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.0	54.0	54.0	47.3	54.7	48.7	54.7	50.7	54.7	54.7	54.7	49.7	49.7	57.7	59.7	59.7
≥ 20000	40.0	54.0	60.7	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7
18000	40.0	59.0	60.7	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7
16000	40.0	60.0	60.7	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7
14000	41.0	60.0	61.3	64.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3
12000	41.7	61.0	62.3	65.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
10000	45.0	65.0	66.7	69.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.7	71.7
9000	46.0	66.0	67.7	70.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7	72.7
8000	49.0	69.0	70.7	73.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.7	75.7
7000	49.0	69.0	70.7	73.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.7	75.7
6000	49.0	69.0	71.3	74.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.7	76.7
5000	50.0	71.0	72.7	76.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.7	78.7
4500	50.0	72.0	73.7	77.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.7	79.7
4000	51.0	73.0	74.7	78.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0	80.0
3500	51.0	73.0	75.0	78.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3
3000	53.0	76.0	77.7	81.0	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3
2500	55.0	78.0	80.0	83.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0
2000	67.0	81.0	83.3	86.7	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0
1800	67.0	82.0	83.7	87.0	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.3
1500	70.0	85.0	86.0	91.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.0
1200	71.0	86.0	87.0	92.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.7	94.7
1000	72.0	87.0	88.0	93.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.3
900	72.0	88.0	89.0	94.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	96.7
800	72.0	89.0	91.7	95.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7	97.7
700	73.0	89.0	92.0	95.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.3
600	73.0	89.0	92.7	96.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
500	73.0	89.0	92.7	96.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
400	73.0	89.0	92.7	96.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
300	73.0	89.0	92.7	96.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
200	73.0	89.0	92.7	96.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
100	73.0	89.0	92.7	96.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
0	73.0	89.0	92.7	96.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 200

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

NAVAL AS, F

STATION NAME

13-02

YEAR

MONTH

DAY

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	96.7	91.7	81.0	63.3	43.3	33.3	23.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
≥ 20000	53.7	59.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	53.7	59.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	53.7	59.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	54.3	60.3	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000	54.7	61.0	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	57.0	63.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	57.3	64.3	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	60.7	67.7	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	60.7	67.7	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 6000	60.7	67.7	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	62.7	69.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	72.3	78.0	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	73.7	72.7	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	74.7	74.0	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	76.3	75.3	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	80.3	79.3	80.7	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2000	82.0	84.0	85.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800	83.3	85.3	86.7	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	84.3	91.7	92.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	91.7	94.7	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	92.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

302

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
97701STATION NAME  
DALLAS, TXYEARS  
73-92MONTH  
JUNPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)HOURS (L & T)  
12

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 18000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 16000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 14000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 12000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 7000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 6000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 5000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 3500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 3000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 2500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 2000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1800	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1200	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 900	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 800	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 700	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 600	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 400	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 300	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 200	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 100	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3

TOTAL NUMBER OF OBSERVATIONS

1.0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

TALLAH, 7

STATION NAME

15-1

YEAR

JUL

MONTH

15

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	54.7	59.3	59.3	59.3	59.3	59.3	54.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 18000	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 16000	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 14000	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	71.3	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 10000	75.0	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 9000	75.0	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 8000	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 7000	77.7	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	77.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000	81.7	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4500	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 4000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3500	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2500	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1800	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1200	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 900	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 800	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 700	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 600	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 500	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 400	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 300	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 200	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 100	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, TN

STATION NAME

73-72

YEARS

JUN

PORT

18

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	71.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 20000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 18000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 14000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1200	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1000	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 900	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 800	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 700	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 600	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 500	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 400	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 300	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 200	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 100	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 0	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

94221  
STATION

661145, Y

STATION NAME

77-02

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

71

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 20000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 18000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 16000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 14000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 12000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 10000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 9000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 8000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 7000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 5000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 2500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 2000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1800	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1200	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 900	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 800	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 700	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 600	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 400	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 300	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 200	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 100	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

CALL SIGN

STATION NAME

75-03

YEARS

JUL

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	61.1	44.0	54.5	64.5	67.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 20000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 18000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 16000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 14000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 12000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 10000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 9000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 8000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 7000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 6000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 5000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 4500	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 4000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 2500	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 2000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 1800	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 1500	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 1200	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 1000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 900	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 800	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 700	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 600	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 500	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 400	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 300	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 200	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 100	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 0	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8

TOTAL NUMBER OF OBSERVATIONS

2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
14001

DATE  
14 JUL 51

STATION NAME

YEAR  
1951

YEAR

MONTH  
JUL

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	78.4	79.4	80.4	81.4	82.4	83.4	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4
≥ 20000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 18000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 14000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 14000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 12000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 10000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 9000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 8000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 7000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 6000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 5000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 4500	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 4000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 3500	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 3000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 2500	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 2000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 1800	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 1500	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 1200	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 1000	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 900	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 800	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 700	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 600	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 500	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 400	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 300	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 200	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 100	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4
IV 0	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: Asheville, NC STATION MARK: 13-07 YEARS: 1961 MONTH: JUL  
 STATION: 03 HOURS: 11 5 7

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 20000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 18000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 16000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 14000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 12000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 10000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 9000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 8000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 7000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 6000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4500	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3500	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1800	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1500	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1200	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1000	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 900	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 800	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 700	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 600	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 500	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 400	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 300	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 200	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 100	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 0	76.1	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

YEARS

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 20000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 18000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 16000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 14000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 12000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 10000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 9000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 8000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 7000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 6000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 5000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 4500	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 4000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 3500	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 3000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 2500	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 2000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 1800	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 1500	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 1200	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 1000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 900	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 800	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 700	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 600	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 500	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 400	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 300	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 200	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
≥ 100	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7
0	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.3	70.7	70.3	70.9	70.3	70.7

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, TN      YEARS: 1951-1952      MONTH: JUL      HOURS: 11.57

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 20000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 18000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 16000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 14000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 12000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 9000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 7000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 6000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 5000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1800	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1200	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 900	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 800	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 700	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 600	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 400	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 300	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 200	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 100	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 20000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 18000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 16000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 14000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 12000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 10000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 9000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 8000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 6000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 5000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 2500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 2000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1800	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1200	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 900	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 800	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 700	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 600	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 400	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 300	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 200	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 100	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1

TOTAL NUMBER OF OBSERVATIONS

71

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME 73-42 YEARS 1951  
 MONTH 15  
 HOURS (L & T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 20000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 18000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 16000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 12000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 10000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 9000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 8000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 7000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 6000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 5000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 4000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3500	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 3000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 2000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION: 3300 YEARS: 1951 MONTH: 11 HOURS (L & T): 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0	≥ 0
NO CEILING	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 20000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
18000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
16000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
14000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
12000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
10000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
9000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
8000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
7000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
6000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
5000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
4500	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
4000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
3500	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
3000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2500	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1800	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1500	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1200	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1000	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
900	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
800	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
700	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
600	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
500	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
400	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
300	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
200	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
100	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
0	71.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2

TOTAL NUMBER OF OBSERVATIONS: 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

73-92

YEARS

JUL

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

24  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	75.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 20000	5.7	7.1	87.4	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 18000	5.7	7.1	87.4	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 16000	5.7	7.1	87.4	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 14000	5.1	8.4	80.7	89.0	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 12000	7.1	89.4	87.7	89.0	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 10000	10.7	92.6	92.6	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 9000	11.0	93.2	93.6	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 8000	11.4	94.5	94.8	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 7000	12.9	94.8	95.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 6000	12.9	95.5	95.8	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 5000	12.9	96.1	96.5	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4500	13.0	96.5	96.8	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4000	14.2	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3500	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3000	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2500	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

17

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1952

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.7	72.7	72.7	73.1	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 20000	77.3	79.6	80.3	80.7	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 18000	77.3	79.6	80.6	80.9	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 16000	77.3	79.9	80.7	81.0	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 14000	77.7	80.3	81.3	81.4	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 12000	77.7	82.5	83.3	83.7	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 10000	80.0	87.2	88.0	88.4	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 9000	84.6	87.8	88.6	89.0	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 8000	85.1	89.6	90.4	90.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 7000	85.3	89.9	90.7	91.2	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 6000	86.7	90.7	91.0	91.3	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 5000	86.7	91.7	92.9	93.1	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 4500	86.4	92.3	93.1	93.7	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 4000	86.8	93.4	94.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 3500	86.1	93.9	94.2	95.5	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 3000	86.3	94.7	95.7	96.4	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2500	81.4	95.4	96.3	97.1	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 2000	81.4	95.6	96.6	97.3	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	81.4	95.8	96.8	97.5	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500	81.4	96.4	97.4	98.1	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200	82.1	96.4	97.5	98.3	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	82.1	96.6	97.6	98.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	82.1	96.6	97.7	98.4	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	82.1	96.7	97.7	98.5	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	82.1	96.7	97.7	98.6	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	82.1	96.8	97.8	98.6	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	82.1	96.8	97.8	98.7	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	82.1	96.8	97.9	98.7	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	82.1	96.8	97.9	98.7	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	82.1	96.8	97.9	98.7	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	82.1	96.8	97.9	98.7	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	82.1	96.8	97.9	98.7	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

2479

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
77401

ALLAS, TX

STATION NAME

73-60

YEARS

AUG

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 20000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 18000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 16000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 14000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 12000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 10000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 9000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 8000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 7000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 6000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4500	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1800	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1200	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 900	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 800	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 700	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 600	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 500	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 400	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 300	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 200	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 100	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, T STATION NAME: ASHEVILLE, T YEARS: 1951-1952 MONTH: 11  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L & S): 0000-2359

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 20000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 16000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 12000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 10000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 900	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 800	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 600	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 500	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 400	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 300	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 200	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 100	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 0	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS: 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NUMBER: 33-00 YEARS: 1950 MONTH: 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	63.7	63.7	63.7	61.1	64.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 20000	52.3	54.5	67.7	72.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
18000	44.2	54.5	64.1	72.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
16000	44.2	54.5	64.1	72.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
14000	50.3	55.5	64.7	72.6	74.5	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
12000	56.3	57.4	70.7	75.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
10000	61.5	72.7	76.5	81.3	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
9000	61.5	72.7	77.1	81.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
8000	66.8	79.7	82.9	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
7000	66.8	79.7	82.9	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
6000	67.1	79.4	82.2	83.1	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
5000	67.7	81.6	85.5	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
4500	66.7	81.6	85.5	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
4000	66.7	82.6	86.5	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
3500	63.7	82.6	86.5	91.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
3000	75.3	83.2	87.1	92.6	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2500	71.3	83.2	87.7	92.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2000	71.3	84.2	89.4	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1800	71.3	84.2	89.4	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1500	72.3	85.2	89.7	95.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1200	72.3	85.2	89.7	95.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1000	72.6	85.3	90.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
900	72.6	86.1	90.7	96.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
800	73.6	87.1	91.6	97.1	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	73.9	87.4	91.9	97.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	73.9	87.4	91.9	97.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	73.9	87.4	91.9	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	73.9	87.4	91.9	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	73.9	87.4	91.9	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	73.9	87.4	91.9	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	73.9	87.4	91.9	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	73.9	87.4	91.9	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEARS: 1951-1952 MONTH: ALL  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L & T): ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	51.1	55.4	67.1	66.1	64.4	68.4	68.4	65.4	64.4	68.4	68.4	65.4	68.4	68.4	68.4
≥ 20000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 18000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 16000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 14000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 12000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 10000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 9000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 8000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 7000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 6000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 5000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 4500	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 4000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 3500	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 3000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 2500	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 2000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 1800	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 1500	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 1200	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 1000	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 900	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 800	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 700	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 600	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 500	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 400	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 300	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 200	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 100	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9
IV 0	77.4	71.3	77.6	73.6	73.9	73.2	73.4	73.9	73.0	73.9	73.4	73.9	73.9	73.9	73.9

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
CALLAO, TX

STATION NAME

17-07

YEARS

MONTH  
1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY  
1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 18000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 16000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 14000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 12000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 10000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 9000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 8000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 7000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 6000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 5000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 4500	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 4000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 3500	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 3000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 2500	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 2000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1800	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1500	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1200	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 900	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 800	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 700	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 600	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 500	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 400	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 300	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 200	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 100	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 0	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.8	58.7	58.7	56.5	55.1	59.3	59.3	56.0	55.9	56.0	56.3	56.7	56.8	56.0	55.0	55.0
≥ 20000	57.4	71.9	71.5	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 18000	57.4	71.9	71.5	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 16000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 14000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 12000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 10000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 9000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 8000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 6000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 5000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 4500	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 4000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3500	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 2500	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 2000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1800	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1500	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1200	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1000	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 900	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 800	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 700	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 600	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 500	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 400	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 300	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 200	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 100	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 0	57.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9

TOTAL NUMBER OF OBSERVATIONS

517

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

72-40

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS PER YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	15.7	68.4	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 20000	70.1	72.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 18000	70.1	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 16000	70.1	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 14000	70.1	83.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 12000	70.1	84.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 10000	70.1	87.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 9000	70.1	92.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 8000	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 7000	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 6000	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 5000	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4500	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4000	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 3500	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 3000	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2500	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2000	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1000	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 600	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 500	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 400	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 300	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 100	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 0	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: 4 050 7 YEARS: MONTH: HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 20000	2.2	56.4	86.8	76.5	94.6	76.0	86.0	94.6	86.0	94.6	86.0	94.6	86.0	94.6	86.0
IV 18000	3.3	77.1	87.1	77.1	97.1	77.1	97.1	77.1	97.1	77.1	97.1	77.1	97.1	77.1	97.1
IV 16000	3.3	77.1	87.1	77.1	97.1	77.1	97.1	77.1	97.1	77.1	97.1	77.1	97.1	77.1	97.1
IV 14000	3.3	77.4	87.4	77.4	97.4	77.4	97.4	77.4	97.4	77.4	97.4	77.4	97.4	77.4	97.4
IV 12000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 10000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 9000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 8000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 7000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 6000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 5000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 4500	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 4000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 3500	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 3000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 2500	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 2000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 1800	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 1500	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 1200	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 1000	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 900	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 800	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 700	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 600	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 500	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 400	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 300	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 200	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 100	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7
IV 0	3.3	77.7	87.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7	77.7	97.7

TOTAL NUMBER OF OBSERVATIONS: 71

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

400  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (C.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NAME: YEARS: MONTH: HOUR (LST):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	58.7	6.7	8.7	50.7	49.0	50.7	49.0	47.7	47.0	64.7	49.7	13.7	69.7	69.7	59.7
IV 20000	1.7	73.7	73.7	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 18000	1.7	73.7	73.7	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 16000	1.7	73.7	73.7	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 14000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 12000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 10000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 8000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 5000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 4500	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 4000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3500	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 2500	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 2000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1800	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1500	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1200	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1000	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 900	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 800	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 700	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 600	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 500	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 400	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 300	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 200	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 100	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 0	1.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
≥ 20000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 18000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 16000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 14000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 12000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 10000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 9000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 8000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 7000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 6000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 5000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 4500	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 4000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 3500	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 3000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 2500	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 2000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 1800	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 1500	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 1200	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 1000	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 900	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 800	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 700	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 600	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 500	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 400	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 300	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 200	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 100	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0
IV 0	67.7	57.0	61.0	62.0	67.0	63.0	63.0	63.0	67.0	63.0	67.0	63.0	63.0	63.0	67.0	67.0

TOTAL NUMBER OF OBSERVATIONS

5

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-31

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.7	51.7	52.0	54.7	55.7	56.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	51.7	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	51.7	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	51.7	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 9000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 7000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 6000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 4500	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 4000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 3500	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 3000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 2500	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 2000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 1800	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 1500	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 1200	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 1000	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 900	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 800	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 700	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 600	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 500	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 400	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 300	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 200	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 100	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 0	52.0	52.0	52.0	53.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1 MONTH: 1  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 18000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 16000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 12000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 9000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 7000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 6000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 5000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 4500	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 4000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 3500	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 3000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 2500	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 2000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1800	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1600	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1400	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1200	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1000	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 900	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 800	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 700	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 600	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 500	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 400	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 300	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 200	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 100	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 0	51.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3

TOTAL NUMBER OF OBSERVATIONS: 1000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION WILLAS, TX STATION NAME 13-12 YEARS 5-6 MONTH 13  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	¼	≥ 0
NO CEILING	1.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	1.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 18000	1.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 16000	1.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	1.7	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000	1.7	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 10000	1.7	72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000	1.7	72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 8000	1.7	75.7	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	1.7	75.7	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 5000	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3500	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3000	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 2500	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 2000	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 1800	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 1500	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 1200	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 1000	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 900	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 800	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 700	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 600	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 500	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 400	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 300	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 200	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 100	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 0	1.7	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3

TOTAL NUMBER OF OBSERVATIONS 510

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: YEARS: MONTH: 15 HOURS (L.S.T.):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 20000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 18000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 16000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 14000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 12000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 10000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 9000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 8000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 7000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 6000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 3500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 3000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1800	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1200	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 900	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 800	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 700	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 600	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 400	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 300	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 200	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 100	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NUMBER: 73-47 YEARS: SEP MONTH: 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 16000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 14000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS: 1000

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

YEARS

YEARS

MONTH

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ELL

HOURLY (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	56.4	61.3	61.4	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 20000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 18000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 16000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 14000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 12000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 10000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 9000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 8000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 7000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 6000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 5000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 4500	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 4000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 3500	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 3000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 2500	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 2000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 1800	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 1500	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 1200	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 1000	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 900	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 800	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 700	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 600	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 500	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 400	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 300	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 200	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 100	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 0	61.3	67.3	65.2	65.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9

TOTAL NUMBER OF OBSERVATIONS

24 10

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 20000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 18000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 16000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 14000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 10000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1800	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1200	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 900	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 800	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 700	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 600	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 400	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 300	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 200	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 100	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS 11 &amp; 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 18000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 16000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 14000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 12000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 10000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 9000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 8000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 7000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 6000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 5000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 2500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 2000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1800	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1200	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 900	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 800	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 700	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 600	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 400	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 300	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 200	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 100	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-12

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	50.5	52.1	57.1	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 18000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 9000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 7000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 6000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 5000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4500	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3500	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 2500	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 2000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1800	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1500	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1200	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1000	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 900	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 800	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 700	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 600	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 500	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 400	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 300	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 200	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 100	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
0	5.2	58.1	52.7	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: 1  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.): 0

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 18000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 14000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 12000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 10000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 9000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 8000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 7000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 6000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 5000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 4500	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 4000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 3500	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 3000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 2500	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 2000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 1800	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 1500	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 1200	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 1000	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 900	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 800	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 700	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 600	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 500	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 400	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 300	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 200	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 100	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 0	47.4	55.5	58.1	60.5	57.1	47.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2

TOTAL NUMBER OF OBSERVATIONS 311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
≥ 20000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 18000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 16000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 14000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 12000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 10000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 9000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 8000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 7000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 6000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 4500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 4000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 3500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 3000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 2500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 2000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1800	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1200	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 900	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 800	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 700	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 600	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 400	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 300	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 200	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 100	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: \_\_\_\_\_ YEARS: \_\_\_\_\_ MONTH: \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 HOURS: L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS: \_\_\_\_\_

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

72-02

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)1  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IN 18000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IN 16000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IN 14000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IN 10000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IN 9000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 8000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IN 7000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IN 6000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IN 5000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IN 4500	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IN 4000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IN 3500	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IN 3000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IN 2500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IN 2000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IN 1800	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IN 1600	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IN 1400	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IN 1200	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IN 1000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN 900	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IN 800	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IN 700	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 600	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 400	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 300	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 200	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 100	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

10

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 20000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 18000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 16000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 14000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 12000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 10000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 9000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 8000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 7000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 6000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 5000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4500	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 3500	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 3000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 2500	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 2000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 1800	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 1500	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 1200	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 1000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 900	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 800	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 700	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 600	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 500	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 400	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 300	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 200	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 100	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, TN YEAR: 1957 MONTH: JUL  
 STATION: 14114 NORTH: 35.5  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 HOURS (LST): 24

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	1.7	3.7	6.7	5.7	6.7	1.7	4.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
≥ 20000	1.7	3.7	6.7	5.7	6.7	1.7	4.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 18000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 16000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 14000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 12000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 10000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 9000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 8000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 7000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 6000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 5000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 4500	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 4000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 3500	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 3000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 2500	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 2000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1800	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1500	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1200	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1000	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 900	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 800	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 700	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 600	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 500	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 400	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 300	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 200	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 100	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 0	1.7	3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7

TOTAL NUMBER OF OBSERVATIONS: 74

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

DATE

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	2.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 20000	62.7	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 18000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 16000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 12000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 10000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 9000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 7000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 6000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 5000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4500	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 3500	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 3000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 2500	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 2000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 1800	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 1500	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 1200	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 1000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 900	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 800	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 700	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 600	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 500	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 400	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 300	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 200	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 100	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 0	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
STATION

MALLA, TN

STATION NAME

75-62

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)05  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	4.7	35.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 9000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 8000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 7000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 6000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3500	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 2500	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 2000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1800	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1500	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1200	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1000	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 900	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 800	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 700	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 600	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 500	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 400	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 300	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 200	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 100	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 0	5.7	27.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS

10

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: 11 HOURS (L & T): 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	1.0	13.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 18000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 16000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 14000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 12000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 10000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 9000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 8000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 7000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 6000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 5000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 4500	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 4000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 3500	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 3000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 2500	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 2000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 1800	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 1500	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 1200	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 1000	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 900	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 800	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 700	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 600	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 500	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 400	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 300	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 200	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 100	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
0	2.0	14.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0

TOTAL NUMBER OF OBSERVATIONS: 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME: FALLS, TN STATION DATE: 11-40 YEARS: NOV MONTH: 09 HOURS (L & T):

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.3	45.0	45.7	46.7	46.7	7.0	47.0	47.3	47.3	47.0	47.3	47.0	47.0	47.0	47.0	47.0
IV 20000	44.0	50.0	51.7	51.7	52.0	12.3	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 18000	44.0	50.0	51.7	51.7	52.0	12.3	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 16000	44.0	50.0	51.7	51.7	52.0	12.3	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 14000	44.0	50.0	51.7	51.7	52.0	12.3	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 12000	44.0	50.0	52.0	52.0	52.3	12.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 9000	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 8000	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 7000	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 6000	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 5000	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 4500	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 4000	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 3500	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 3000	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 2500	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 2000	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 1800	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 1500	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 1200	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 1000	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 900	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 800	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 700	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 600	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 500	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 400	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 300	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 200	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 100	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 0	44.0	54.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME FALLS, T. YEAR 1951 MONTH 12 HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	49.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 18000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 16000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 14000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 12000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 10000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 9000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 8000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 7000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 6000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 5000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 4500	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 4000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 3500	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 3000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 2500	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 2000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 1800	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 1500	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 1200	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 1000	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 900	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 800	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 700	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 600	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 500	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 400	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 300	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 200	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 100	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 0	55.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0

TOTAL NUMBER OF OBSERVATIONS 304

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

12-82

YEARS

MONTH

12

HOURS (L &amp; T)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 18000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 16000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 14000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 12000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 10000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 9000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 7000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 6000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 5000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 4500	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 4000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 3500	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 3000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 2500	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 2000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 1800	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 1500	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 1200	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 1000	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 900	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 800	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 700	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 600	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 500	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 400	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 300	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 200	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 100	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 0	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3

TOTAL NUMBER OF OBSERVATIONS 120

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME: FALLS, TN STATION NAME: 73-22 YEARS: NOV MONTH: 1c HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
18000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
16000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
14000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
12000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
10000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
9000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
8000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
7000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
6000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
5000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
4500	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
4000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
3500	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
3000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2500	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
1800	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
1200	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
1000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
900	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
800	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
700	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
600	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 500

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

STATION NAME

YEARS

YEARS

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	7.7	13.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 12000	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 10000	7.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	7.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1200	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1000	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 900	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 800	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 700	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 600	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 500	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 400	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 300	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 200	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 100	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 0	7.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1954-55

YEARS

MONTH

ALL

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 3/16	≥ 0
NO CEILING	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
≥ 20000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 18000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 16000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 14000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 12000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 10000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 9000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 8000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 7000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 6000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 5000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 4500	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 4000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 3500	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 3000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 2500	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 2000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 1800	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 1500	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 1200	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 1000	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 900	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 800	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 700	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 600	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 500	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 400	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 300	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 200	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 100	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
IV 0	57.0	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7

TOTAL NUMBER OF OBSERVATIONS

2410

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: DALLAS, TX DATE: 7-7-50 YEARS: MONTH: HOURS (L.S.T.):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2500	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1800	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1500	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1200	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 900	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 800	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 700	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 600	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 500	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 400	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 300	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 200	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 100	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7

TOTAL NUMBER OF OBSERVATIONS: 11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: STATION NAME: YEARS: MONTH: HOURS LL S Y

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 20000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 18000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 16000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 12000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 9000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 8000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 7000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 6000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 5000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 4500	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 4000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 3500	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 3000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 2500	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 2000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 1800	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 1500	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 1200	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 1000	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 900	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 800	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 700	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 600	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 500	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 400	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 300	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 200	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 100	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 0	4.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-72

YEARS

057

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
≥ 20000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 18000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 16000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 14000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 12000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 10000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 9000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 8000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 7000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 6000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 5000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 4500	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 4000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 3500	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 3000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 2500	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 2000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 1800	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 1500	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 1200	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 1000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 900	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 800	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 700	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 600	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 500	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 400	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 300	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 200	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 100	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IV 0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	48.4	52.6	55.4	58.6	53.2	3.2	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	48.4	52.6	55.4	58.6	53.2	3.2	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 18000	55.4	52.6	57.2	58.6	51.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 16000	55.4	51.0	57.2	58.6	51.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	55.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 12000	55.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 10000	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 7000	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 6000	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 5000	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 4500	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 4000	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 3500	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 3000	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 2500	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 2000	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1800	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1500	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1200	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1000	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 900	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 800	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 700	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 600	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 500	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 400	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 300	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 200	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 100	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 0	57.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2

TOTAL NUMBER OF OBSERVATIONS

710

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

TABLE 1

73-5

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)12  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 18000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 16000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 10000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 9000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 8000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 7000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 6000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 5000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4500	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3500	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 2500	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 2000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1800	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1500	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1200	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1000	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 900	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 800	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 700	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 600	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 500	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 400	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 300	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 200	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 100	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 0	27.7	54.5	54.5	74.5	54.5	54.5	54.5	4.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1952

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)1  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.5	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	57.2	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
18000	56.2	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
16000	56.2	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
14000	56.3	56.5	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
12000	56.1	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
10000	57.4	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
9000	57.4	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
8000	71.9	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
7000	71.9	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
6000	74.2	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
5000	76.5	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
4500	76.5	79.4	79.4	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
4000	76.5	79.4	79.4	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
3500	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
3000	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
2500	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
2000	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
1800	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
1500	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
1200	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
1000	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
900	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
800	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
700	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
600	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
500	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
400	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
300	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
200	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
100	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
0	76.5	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-12

YEARS

1955

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)1  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.1	62.0	67.1	53.8	55.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 20000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 18000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 16000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 14000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 12000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 10000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 9000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 8000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 7000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 6000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 5000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 4500	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 4000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 3500	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 3000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 2500	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 2000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 1800	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 1500	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 1200	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 1000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 900	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 800	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 700	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 600	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 500	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 400	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 300	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 200	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 100	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 0	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-22

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 18000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 16000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 14000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 12000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 7000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 6000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 5000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 3500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 3000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 2500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 2000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1800	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1200	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 900	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 800	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 700	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 600	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 400	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 300	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 200	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 100	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3

TOTAL NUMBER OF OBSERVATIONS

305

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-47

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L &amp; Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 20000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 18000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 16000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 14000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 12000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 10000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 9000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 8000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 7000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 6000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 5000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 4500	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 4000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3500	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2500	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 1800	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 1500	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 1200	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 1000	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 900	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 800	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 700	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 600	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 500	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 400	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 300	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 200	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 100	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 0	77.7	79.3	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5

TOTAL NUMBER OF OBSERVATIONS

247

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ALLS, T

STATION NAME

13-72

YEARS

111

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

111

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.6	56.2	55.4	53.9	59.1	72.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	51.7	54.7	65.2	61.5	65.7	65.9	65.7	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 18000	51.7	54.9	65.3	65.7	65.9	65.9	66.0	66.0	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 16000	51.7	54.9	65.4	65.7	65.9	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 14000	52.3	55.3	65.6	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 12000	53.4	56.7	67.3	67.6	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 10000	67.7	70.5	71.1	71.5	71.7	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	67.7	70.5	71.4	71.8	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 8000	68.4	73.1	73.7	74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	71.1	73.9	74.5	74.9	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000	75.0	74.6	75.2	75.7	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 5000	72.7	76.5	77.2	77.6	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4500	73.3	77.4	78.1	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	74.6	78.7	79.6	80.2	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500	75.0	80.4	80.9	81.3	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000	76.4	81.8	82.6	83.2	83.5	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2500	76.1	83.4	84.3	84.9	85.3	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2000	77.6	85.3	86.3	86.9	87.3	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800	78.1	86.7	87.7	88.3	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1500	78.4	88.2	89.4	90.2	90.7	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1200	78.5	89.4	90.7	91.6	92.2	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1000	78.7	90.4	91.9	92.9	93.6	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 900	78.8	90.7	92.2	93.2	94.0	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	78.8	91.7	92.9	94.1	95.0	95.2	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7
IV 700	78.8	91.8	93.4	94.5	95.6	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.4	96.4	96.4
IV 600	78.7	91.3	93.7	95.0	96.2	96.5	96.6	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	78.6	92.1	94.0	95.4	96.7	97.1	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.9	97.9	97.9
IV 400	78.6	92.2	94.3	95.6	97.1	97.5	98.0	98.3	98.3	98.5	98.6	98.6	98.6	98.7	98.7	98.7
IV 300	78.6	92.3	94.3	95.8	97.3	97.7	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	78.6	92.3	94.3	95.8	97.4	97.7	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	78.6	92.3	94.3	95.8	97.4	97.8	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 0	78.6	92.3	94.3	95.8	97.4	97.8	98.4	98.8	98.9	99.2	99.5	99.5	99.5	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

22211

DIRNAVOCEANMET SMOS

73-82

JAN

STATION

STATION NAME

PERIOD

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00	37.7			17.9						8.1	41.3	5.2	310
	03	39.4			7.7						10.0	42.9	5.4	310
	06	32.9			14.8						8.7	43.5	5.6	310
	09	17.4			17.4						14.5	50.6	6.9	310
	12	20.6			16.1						15.8	47.4	6.6	310
	15	19.0			19.0						16.1	45.8	6.6	310
	18	19.4			23.9						13.5	43.2	6.3	310
	21	37.7			12.6						8.1	41.6	5.3	310
TOTALS		28.0			15.6						11.9	44.5	6.0	2480

NAVWEASERVCOM

73-82

F E A

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00	30.4			16.7						8.9	35.1	4.8	282
	03	39.0			14.5						9.2	36.3	5.0	282
	06	32.3			13.8						9.9	44.0	5.7	282
	09	20.2			14.5						15.1	47.2	6.8	282
	12	22.7			14.2						18.4	44.7	6.6	282
	15	19.1			23.4						14.9	42.6	6.3	282
	18	21.6			22.7						21.6	34.0	6.0	282
	21	35.5			18.4						12.8	33.3	5.0	282
TOTALS		28.7			17.3						14.1	39.9	5.8	2256

NAVWEASERVCOM

77-92

445

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00	35.8			17.7						16.9	29.7	6.0	310
	03	31.6			11.3						16.6	40.3	5.9	310
	06	25.2			11.3						19.9	44.5	6.5	310
	09	17.1			13.9						18.7	50.3	7.1	310
	12	14.5			21.3						21.0	43.2	6.8	310
	15	13.7			17.1						26.8	37.4	6.7	310
	18	20.3			19.7						20.3	39.7	6.4	310
	21	33.2			18.1						14.5	34.2	6.3	310
TOTALS		24.6			16.3						19.2	39.9	6.2	2440

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## SKY COVER

97901 DALLAS, TX

73-82

102

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00	31.7			21.3						15.7	31.3	5.2	300
	03	32.7			14.0						14.7	34.7	5.6	300
	06	17.7			18.7						20.7	43.0	6.7	300
	09	16.7			17.7						21.3	45.0	6.9	300
	12	16.7			18.3						30.3	34.7	6.7	300
	15	18.0			19.3						27.7	35.0	6.6	300
	18	21.7			20.3						22.0	36.0	6.2	300
	21	34.7			22.3						14.7	29.0	4.9	300

NAVWEASERVCOM

73-92

STATION

STATION NAME

PERIOD

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00	33.7			16.6						19.1	31.3	5.3	310
	03	31.7			20.0						11.9	37.1	5.4	310
	06	13.9			22.3						21.9	41.9	6.8	310
	09	15.5			22.7						26.5	35.9	6.6	309
	12	12.9			20.6						36.1	30.3	6.9	310
	15	14.2			27.4						33.9	24.5	6.3	310
	18	17.4			34.2						21.3	27.1	5.7	310
	21	33.2			21.9						13.1	26.8	5.0	310
TOTALS		21.5			23.2						23.5	31.9	6.7	2479

NAVWEASERVCOM

73-52

114

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00	51.7			16.0						13.7	18.7	3.6	300
	03	41.3			18.3						18.0	23.7	4.5	300
	06	17.3			28.0						26.3	29.3	6.0	300
	09	19.0			24.7						33.7	22.7	6.0	300
	12	16.7			33.0						37.7	12.7	5.6	300
	15	13.7			41.0						32.0	13.3	5.4	300
	18	17.7			47.3						22.3	11.7	4.6	300
	21	42.3			27.7						12.0	18.0	3.7	300

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PD A150 599

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
DALLAS TEXAS(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT  
ASHEVILLE NC AUG 84

4/4

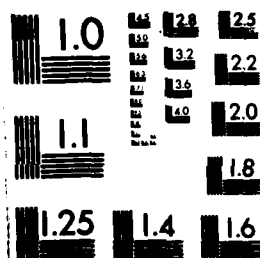
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

21901 DALLAS, TX

73-82

JUL

STATION

STATION NAME

PERIOD

MONTM

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00	47.6			24.9						15.5	12.0	3.3	309
	03	48.7			25.2						13.9	12.3	3.2	310
	06	24.2			37.7						20.6	17.4	4.7	310
	09	32.3			31.6						23.5	12.6	4.3	310
	12	11.6			51.9						24.5	11.9	5.0	310
	15	6.8			49.4						30.0	13.9	5.6	310
	18	15.5			49.7						19.4	15.5	4.8	310
	21	40.6			33.2						14.5	11.6	3.5	310
TOTALS		28.4			38.0						20.2	13.4	4.3	2479

NAVWEASERVCOM

73-82

AUG

**STATION**

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00	51.0			22.6						13.2	13.2	3.2	310
	03	46.8			21.3						18.1	13.9	3.7	310
	06	20.0			37.1						27.4	15.5	5.1	310
	09	31.3			29.7						22.9	16.1	4.6	310
	12	11.6			43.9						29.4	15.2	5.5	310
	15	7.7			46.1						35.2	11.0	5.6	310
	18	19.4			41.6						24.2	14.6	4.9	310
	21	40.6			26.8						22.6	10.0	3.8	310
TOTALS		28.6			33.6						24.1	13.7	4.6	2480

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4

# SKY COVER

93901 DALLAS, TX

73-82

SEP

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00	44.7			18.3						15.0	22.0	4.1	300
	03	47.0			17.7						11.7	23.7	3.9	300
	06	24.3			30.7						17.7	27.3	5.2	300
	09	24.0			24.3						24.3	27.3	5.7	300
	12	13.0			34.3						29.3	23.3	6.0	300
	15	13.3			33.7						32.7	20.3	6.0	300
	18	19.0			37.0						24.3	19.7	5.3	300
	21	44.0			20.0						15.3	20.7	4.0	300
TOTALS		28.7			27.0						21.3	23.0	5.0	2400

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OCT

**NORTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00	49.0			17.4						14.2	19.4	3.7	310
	03	45.8			16.1						13.9	24.2	4.2	310
	06	32.6			21.6						16.5	29.4	5.1	310
	09	25.8			23.5						20.0	30.6	5.6	310
	12	29.0			22.9						23.5	24.5	5.3	310
	15	26.8			25.5						24.5	23.2	5.3	310
	18	31.0			27.7						22.6	18.7	4.7	310
	21	50.3			19.0						13.2	17.4	3.5	310
TOTALS		36.3			21.7						18.6	23.4	4.7	2480

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# SKY COVER

93901 DALLAS, TX

73-82

NOV

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00	43.3			13.3						11.7	31.7	4.6	300
	03	40.3			11.7						10.0	38.0	5.1	300
	06	35.7			14.0						10.3	40.0	5.4	300
	09	24.0			17.0						18.3	40.7	6.2	300
	12	27.7			18.7						17.7	36.0	5.8	300
	15	27.3			20.0						21.0	31.7	5.7	300
	18	25.7			27.3						16.0	31.0	5.4	300
	21	46.0			13.7						12.0	28.3	4.3	300
TOTALS		33.8			17.0						14.6	34.7	5.3	2400

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## SKY COVER

93901 DALLAS, TX

73-82

DEC

STATION

STATION NAME

PERIOD

## MONTI

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00	42.9			14.2						12.6	30.3	4.6	310
	03	45.5			12.3						10.3	31.9	4.5	310
	06	41.9			13.5						7.4	37.1	4.8	310
	09	25.5			20.0						16.8	37.7	5.9	310
	12	24.8			20.0						19.0	36.1	5.9	310
	15	25.8			19.7						24.7	30.3	5.8	310
	18	27.5			24.9						18.1	29.4	5.3	309
	21	42.4			13.9						12.6	31.1	4.7	309
TOTALS		34.5			17.3						15.1	33.0	5.2	2478

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## SKY COVER

93901 DALLAS, TX

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	28.0			15.6						11.9	44.5	6.0	2480
FEB		28.7			17.3						14.1	39.9	5.8	2256
MAR		24.6			16.3						19.2	39.9	6.2	2480
APR		23.7			18.9						20.9	36.6	6.1	2400
MAY		21.5			23.2						23.5	31.9	6.0	2479
JUN		27.5			29.5						24.5	14.5	4.9	2400
JUL		28.4			38.0						20.2	13.4	4.3	2479
AUG		28.6			33.6						24.1	13.7	4.6	2480
SEP		28.7			27.0						21.3	23.0	5.0	2400
OCT		36.3			21.7						18.6	23.4	4.7	2480
NOV		33.8			17.0						14.6	34.7	5.3	2400
DEC		34.5			17.3						15.1	33.0	5.2	2474
TOTALS		28.7			23.0						19.0	29.4	5.3	29212

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NOCD, Federal Building  
Asheville, N. C.

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

4

## DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
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89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S. D.													
TOTAL OBS.													

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167257

## DAILY TEMPERATURES

ALLAS, TX

45-

STATION

STATION NAME

YÉARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

2218 •

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## DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1						.1	1.	.6					
2						4.5	22.8	23.3	2.1				4
3					2.1	37.	72.1	62.6	20.7				1
4				2.3	27.4	72.4	72.8	91.9	5.2	7.5			1
5		.1	3.4	14.6	51.5	71.8	99.4	99.2	73.7	26.4	2.3	.1	7
6		1.7	11.2	39.0	75.7	98.0	100.0	99.8	90.4	47.1	9.4	1.4	47
7	1.	9.7	24.7	62.9	91.2	97.7		100.0	97.0	70.3	21.	1.6	57.0
8	11.2	17.6	43.9	8.7	97.5	100.0			99.4	65.8	77.1	12.	67.
9	1.5	31.5	62.8	92.4	99.6				100.0	8.3	56.	38.1	74.4
10	34.7	49.5	77.3	94.6	100.0					63.7	74.	45.7	87.
11	57.7	56.9	88.4	99.8						9.3	98.9	67.4	89.
12	6.3	92.5	95.2	99.9							95.7	83.2	97.9
13	80.7	92.0	97.6	100.0							99.	97.7	97.
14	9.4	97.6	99.5								99.0	97.7	97.5
15	5.7	99.4	99.5								100.0	99.2	99.5
16	9.3	99.9	100.0									100.0	99.9
17	9.7	100.0											100.0
18	100.												100.0
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	44.6	49.3	57.0	58.4	74.1	82.1	86.4	89.4	78.7	65.4	48.7	40.6	78.3
S. D.	1.4	1.3	.71	.12	7.37	5.37	5.15	4.2	4.4	6.74	5.17	5.4	1.12
TOTAL OBS.	114	104	117	113	117	114	113	117	114	117	11	1	1370

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 1001 DALLAS, TX 1946-1982 JANUARY  
STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	41.6	7.2	55.1	12.8	72	22.2	1976	34.9	1.6	12	-11.1	1979
2	40.2	7.9	55.6	13.1	77	25.7	1982	36.0	2.7	11	-11.7	1979
3	38.3	6.3	53.9	12.2	73	22.7	1971	32.6	.3	13	-1.6	1959
4	26.5	5.8	51.6	10.9	73	22.8	1955	33.4	.8	7	-13.9	1947
5	38.4	6.3	53.9	12.1	71	26.1	1956	33.1	.6	9	-12.8	1947
6	44.1	7.2	55.5	13.1	79	26.7	1982	34.0	1.2	19	-7.2	1968
7	38.1	6.2	53.9	12.1	71	26.1	1975	32.5	.3	12	-11.1	1969
8	44.1	7.7	55.7	13.2	83	28.3	1969	34.7	1.1	12	-11.1	1976
9	42.7	6.1	53.5	11.9	85	29.4	1957	32.4	.2	13	-1.6	1977
10	-1.5	5.3	50.5	10.3	77	25.7	1963	32.5	.3	7	-13.9	1962
11	-1.3	5.3	50.5	10.4	80	26.7	1971	32.2	.1	8	-13.3	1962
12	38.1	6.2	52.1	11.2	76	24.4	1972	34.1	1.2	3	-16.1	1973
13	44.1	7.1	53.9	12.2	72	22.7	1952	35.5	1.9	13	-1.6	1944
14	44.4	7.4	56.1	13.4	76	24.4	1971	34.8	1.6	10	-12.2	1964
15	41.2	7.3	56.3	13.5	75	23.9	1952	34.0	1.1	14	-10.0	1972
16	42.7	5.9	52.9	11.6	76	24.4	1952	32.3	.2	14	-8.9	1962
17	44.4	6.9	54.7	12.6	79	26.1	1974	34.2	1.2	11	-10.6	1962
18	45.1	7.7	55.8	13.2	92	27.8	1974	35.7	2.1	17	-8.3	1977
19	44.7	6.8	52.6	11.4	84	23.9	1952	36.1	2.2	13	-10.6	1963
20	44.5	6.9	54.8	12.7	80	26.7	1972	34.2	1.2	13	-1.6	1943
21	45.3	7.4	54.7	12.6	80	26.7	1952	35.4	2.1	17	-8.3	1954
22	41.2	7.8	57.2	14.0	82	27.8	1969	34.9	1.6	14	-10.0	1974
23	44.3	6.8	53.7	12.1	80	26.7	1976	34.9	1.6	11	-11.7	1946
24	46.7	8.2	54.4	14.7	84	28.9	1967	35.1	1.7	8	-13.3	1963
25	45.5	9.2	52.3	15.2	81	27.7	1952	37.8	3.2	22	-5.6	1963
26	47.4	8.6	57.7	14.3	79	26.1	1953	37.1	2.8	23	-5.0	1963
27	47.2	7.3	55.1	12.7	81	27.2	1975	35.2	1.8	13	-10.6	1963
28	44.7	7.1	55.5	13.1	85	29.4	197	33.9	1.1	14	-10.0	1948
29	46.3	7.9	56.5	13.6	77	25.7	1971	36.1	2.3	1	-12.2	1966
30	43.9	6.6	53.9	12.2	72	26.1	1967	33.8	1.7		-13.8	1949
31	44.1	6.7	53.3	11.8	82	27.8	1974	35.7	1.7	-2	-1.9	1949
Monthly	44.1	7.0	54.6	12.6	85	28.4	1974	34.5	1.4	-2	-10.9	1949

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 1240-1982 STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	45.0	7.7	56.2	13.4	88	31.1	1963	35.6	2.0	9	-12.2	1951
2	43.8	6.6	53.4	11.9	76	24.4	1962	34.5	1.4	7	-12.8	1951
3	45.0	7.2	54.6	12.6	80	26.7	1976*	35.4	1.9	20	-6.7	1972
4	47.6	8.7	57.9	14.3	79	26.1	1973	37.4	3.0	20	-6.7	1972
5	47.9	8.8	57.3	14.1	80	26.7	1967	38.2	3.4	2	-6.7	1982
6	46.3	7.8	55.7	13.2	79	25.6	1963	36.4	2.4	15	-9.4	1982
7	45.5	7.5	54.9	12.7	83	28.3	1969	36.2	2.3	18	-7.8	1975
8	47.4	8.6	59.4	15.2	86	30.0	1962	35.2	1.5	9	-12.8	1971
9	46.0	8.2	57.8	14.3	87	30.6	1957	35.7	2.1	16	-9.9	1979*
10	47.5	8.7	56.5	15.0	86	30.0	1954	34.8	1.6	17	-8.3	1981
11	47.6	8.7	57.9	14.4	77	25.0	1962	37.4	1.0	13	-10.6	1981
12	46.7	9.3	57.9	14.9	83	28.3	1974	38.7	3.7	21	-6.1	1963
13	46.9	9.9	52.2	16.8	81	27.2	1974	37.6	3.1	18	-7.8	1979
14	48.4	10.2	50.2	15.7	81	27.2	1956	40.5	4.7	22	-5.6	1971
15	47.5	9.9	59.8	15.4	79	26.1	1979*	39.8	4.3	24	-4.4	1951
16	46.5	9.0	59.2	15.0	84	28.9	1976	38.1	3.4	22	-5.6	1979
17	46.3	9.6	50.6	15.9	87	30.6	1959	38.1	3.4	21	-6.1	1981
18	46.0	10.4	56.6	15.9	80	26.7	1974	40.9	4.9	12	-11.1	1971
19	46.0	10.0	56.7	15.9	85	29.4	1949	39.2	4.0	12	-12.2	1978
20	46.7	10.5	61.8	16.6	9	32.2	1980	40.1	4.5	27	-2.8	1978
21	46.0	9.6	59.5	15.3	81	27.2	1982	38.9	3.8	21	-6.1	1979
22	46.9	9.9	60.2	15.7	87	30.6	1982	39.6	4.2	21	-6.1	1963
23	48.0	10.4	51.2	16.2	82	27.8	1982	40.4	4.7	22	-5.6	1975
24	49.0	9.9	50.6	15.9	85	29.4	1972	38.7	3.7	17	-8.3	1965
25	52.3	11.6	54.4	18.0	85	29.4	1972	41.4	5.2	17	-8.3	1960
26	52.8	11.4	53.2	17.3	87	30.6	1954	41.7	5.4	22	-5.6	1967
27	53.4	12.1	64.9	18.3	82	27.8	1953	42.4	6.0	22	-2.2	1962
28	54.7	12.4	65.8	18.8	84	28.9	1981	42.4	6.0	20	-6.7	1962
29	52.7	11.5	64.1	17.8	90	26.7	1976	41.4	5.2	26	-3.3	1968*
30												
31												
Monthly	46.0	9.4	57.6	15.3	90	32.2	1980	38.5	3.6	9	-12.2	1971*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

1971 DALLAS, TX 1945-1982 1APC MONTH

STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	52.1	11.6	64.1	17.8	85	29.4	1972		41.1	5.4	19	-7.2	1962	
2	54.1	12.3	64.1	17.8	85	29.4	1974		44.1	6.7	17	-8.3	1960	
3	53.7	12.1	63.7	17.6	86	30.0	1967		43.6	6.4	19	-7.2	1971	
4	52.2	11.8	63.0	17.2	86	30.0	1976		43.5	6.4	22	-5.6	1978	
5	51.7	10.9	62.2	16.8	85	29.4	1974		41.2	5.1	26	-3.3	1965	
6	50.9	11.5	63.3	17.4	86	30.7	1974		42.6	5.9	24	-4.4	1964	
7	54.7	12.6	65.9	18.8	91	32.2	1972		43.4	6.3	22	-2.2	1962	
8	53.1	11.7	63.8	17.7	84	28.9	1974		42.5	5.8	24	-4.4	1967	
9	54.1	12.7	65.7	18.7	81	27.2	1954		43.9	6.6	22	-5.6	1969	
10	57.7	14.3	68.6	20.3	94	34.4	1955		46.7	8.2	26	-3.3	1969	
11	56.7	14.4	68.7	20.4	95	35.1	1955		47.3	8.5	12	-11.1	1948	
12	56.7	13.3	66.2	19.7	93	33.9	1967		45.7	7.6	13	-10.6	1948	
13	55.0	12.8	65.1	18.4	91	32.5	1971		44.9	7.2	23	-5.0	1948	
14	56.1	13.6	68.1	20.1	90	32.7	1967		44.8	7.1	26	-3.3	1975	
15	56.7	13.5	67.3	19.6	82	27.8	1961		45.2	7.3	27	-2.8	1964	
16	56.1	13.8	67.9	19.9	84	28.9	1982		45.6	7.6	28	-2.2	1947	
17	57.5	14.7	70.0	21.1	87	30.6	1972		47.1	8.4	32	.0	1965	
18	57.7	14.8	68.7	20.4	88	31.1	1974		48.7	9.3	30	-1.1	1965	
19	57.7	14.3	68.4	20.2	88	31.1	1952		46.9	8.3	25	-3.9	1965	
20	56.1	14.5	69.5	20.6	85	29.4	1952		47.1	8.4	22	-5.6	1965	
21	57.1	13.9	68.7	20.4	85	29.4	1952		45.6	7.6	21	-1.1	1970	
22	58.4	14.7	70.1	21.2	85	29.4	1967		46.4	8.2	26	-3.3	1965	
23	59.4	15.5	71.8	22.1	89	31.7	1972		47.5	8.8	25	-3.9	1948	
24	58.7	14.8	70.4	20.2	88	31.1	1972		49.7	9.4	21	-1.1	1974	
25	57.5	14.2	67.3	19.6	85	29.4	1950		47.7	8.7	25	-3.9	1955	
26	56.5	14.7	69.2	20.7	86	30.0	1976		47.8	8.8	23	-5.0	1965	
27	59.9	15.4	71.5	21.4	96	35.4	1956		49.1	9.5	22	-5.6	1972	
28	51.5	16.4	72.8	22.7	97	32.2	1971		50.2	10.1	30	-1.1	1955	
29	50.7	15.9	71.2	21.8	97	32.2	1967		50.5	10.3	30	-1.1	1975	
30	50.7	16.0	71.3	21.7	93	33.1	1974		50.3	10.2	27	-2.2	1975	
31	36.6	17.6	74.6	23.7	100	37.8	1974		53.1	11.7	37	2.8	1954	
Monthly	57.8	13.9	67.7	19.8	100	37.8	1974		46.3	7.9	12	-11.1	1948	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

ALLAS. TV

STATION NAME

1945-1992

YEARS

APRIL

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	63.5	17.5	74.2	23.4	87	30.6	1974	52.7	11.5	36	2.2	1954
2	64.5	18.1	76.0	24.7	88	31.1	1962	52.7	11.5	34	1.1	1952
3	64.5	17.8	74.6	23.7	97	32.2	1950	53.4	11.9	32	.0	1975
4	61.7	16.5	72.1	22.3	80	31.7	1978	51.2	10.7	35	1.3	1945
5	61.5	16.4	72.2	22.3	90	32.2	1967	50.7	10.4	35	1.7	1950
6	60.1	17.8	76.3	24.6	95	35.0	1946	51.8	11.7	37	2.4	1950
7	65.0	18.8	77.2	25.1	91	32.8	1980	54.6	12.6	37	-1.1	1971
8	64.5	18.3	74.9	23.8	87	30.6	1967	54.9	12.7	37	2.8	1973
9	64.3	17.9	74.8	23.8	99	37.2	1963	53.8	12.1	33	.6	1973
10	64.0	18.2	74.8	23.8	100	37.8	1963	54.7	12.6	30	-1.1	1973
11	64.7	18.2	75.5	24.2	98	36.7	1948	53.9	12.2	37	3.3	1962
12	64.2	17.9	75.2	24.7	93	33.9	1972	53.1	11.7	33	.6	1957
13	61.2	17.3	73.5	23.1	91	32.8	1974	53.0	11.7	32	.0	1957
14	65.4	18.6	76.1	24.5	87	31.7	1951	54.7	12.6	36	2.2	1940
15	64.0	18.2	75.7	24.3	89	31.7	1967	53.8	12.1	41	5.0	1980
16	65.1	18.4	75.4	24.1	90	32.2	1967	54.9	12.7	39	3.9	1953
17	66.0	19.3	76.7	24.9	86	30.0	1963	56.4	13.8	37	2.8	1947
18	67.7	19.8	77.7	25.4	88	31.1	1951	57.6	14.2	39	3.9	1953
19	69.0	20.5	78.2	26.2	91	32.8	1972	59.8	14.9	34	1.1	1953
20	67.8	19.9	77.7	25.4	90	32.2	1963	57.9	14.4	37	2.8	1953
21	68.0	20.0	77.6	25.3	97	36.1	1955	58.3	14.6	42	5.6	1966
22	69.5	20.8	78.6	25.9	93	33.9	1973	60.4	15.8	42	5.6	1959
23	68.9	21.1	79.2	26.2	97	32.2	1958	60.7	15.8	44	6.7	1951
24	68.9	20.5	78.8	26.0	88	31.1	1975	58.9	14.9	37	3.3	1968
25	68.4	20.2	78.2	25.7	88	31.1	1954	58.6	14.8	45	7.2	1966
26	67.8	19.9	77.3	25.2	88	31.1	1955	58.3	14.6	46	7.8	1945
27	69.1	20.6	78.4	25.9	88	31.1	1948	59.8	15.4	44	6.7	1987
28	69.0	20.6	78.3	25.7	92	33.3	1948	60.1	15.6	44	6.7	1981
29	69.6	20.9	79.0	26.1	91	32.3	1981	60.3	15.7	41	5.0	1965
30	69.6	20.9	79.0	26.1	94	34.4	1981	60.3	15.7	46	7.8	1965
31												
Monthly	66.2	19.3	76.5	24.7	100	37.8	1963	56.7	13.3	30	-1.1	1973

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION ALLAS, T. STATION NAME 1945-1982 YEARS 1945 MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	70.0	20.0	78.7	25.9	92	33.3	1978	59.7	15.1	44	6.7	1967		
2	70.2	20.7	79.6	26.4	90	32.2	1978	58.8	14.9	45	7.2	1967		
3	70.1	21.2	79.8	26.4	90	32.2	1978	60.4	15.8	41	5.0	1964		
4	70.1	21.2	80.0	26.7	93	36.7	1947	60.3	15.7	39	3.9	1964		
5	70.3	21.4	80.2	26.9	93	33.9	1947	61.0	15.1	46	7.8	1967		
6	71.7	22.1	81.2	27.3	94	34.4	1967	62.2	16.8	50	10.0	1957		
7	71.4	21.9	81.2	27.3	93	33.9	1955	61.6	15.4	47	8.3	1946		
8	72.2	22.3	82.2	27.7	92	33.3	1952	62.1	16.7	52	11.1	1982		
9	72.2	22.9	82.8	28.2	98	36.7	1952	63.7	17.6	45	7.2	1969		
10	72.3	22.4	81.4	27.4	96	35.6	1967	63.3	17.4	52	11.1	1981		
11	71.2	21.8	80.3	26.8	100	37.8	1967	62.2	16.9	43	6.1	1981		
12	71.1	21.8	81.5	27.5	98	36.7	1979	61.2	16.2	45	7.2	1979		
13	72.1	22.3	82.6	28.1	94	34.4	1956	61.7	16.5	45	7.2	1971		
14	72.7	22.6	82.9	28.3	96	35.6	1955	62.4	16.9	44	6.7	1971		
15	72.3	22.7	82.5	28.1	94	34.4	1978	63.3	17.4	47	9.9	1973		
16	72.0	22.8	82.7	28.2	93	33.7	1948	63.4	17.4	45	8.9	1947		
17	74.4	23.6	84.6	29.2	94	34.4	1966	64.1	17.8	46	7.8	1947		
18	75.1	24.0	85.0	29.4	96	35.6	1956	65.3	18.5	49	9.4	1968		
19	75.6	24.2	85.2	29.6	96	35.6	1973	65.9	18.8	55	12.8	1971		
20	74.4	23.6	84.0	28.9	94	34.4	1956	64.7	18.2	52	11.1	1981		
21	75.1	23.9	85.2	29.6	96	35.6	1973	64.9	18.3	52	11.1	1947		
22	76.4	24.7	85.8	29.9	95	35.0	1948	67.0	19.4	51	10.6	1945		
23	76.0	24.4	85.7	29.8	96	35.6	1962	66.2	19.0	53	11.7	1945		
24	76.7	24.8	85.9	29.9	94	34.4	1962	67.6	19.8	61	15.1	1979		
25	76.8	24.9	87.0	30.6	95	35.0	1980	66.6	19.2	53	11.7	1971		
26	77.1	25.1	87.2	30.7	97	36.1	1987	66.9	19.4	55	12.8	1947		
27	77.1	25.1	87.2	30.7	100	37.8	1958	67.1	19.5	51	11.6	1961		
28	77.5	25.3	87.4	30.8	96	35.6	1951	67.6	19.8	57	13.9	1968		
29	77.1	25.1	87.5	30.4	97	36.1	1951	66.8	19.3	49	9.4	1947		
30	76.7	25.7	88.3	31.3	96	35.6	1958	69.2	20.1	46	7.8	1947		
31	73.0	25.6	87.7	30.9	96	35.6	1971	68.3	20.2	56	13.3	1975		
Monthly	73.8	23.2	83.7	29.7	100	37.8	1967	64.0	17.8	39	3.9	1954		

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## DAILY AVERAGE/EXTREME TEMPERATURES

STATION 001 STATION NAME DALLAS, TX YEARS 1945-1987 MONTH JUNE

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	77.5	25.3	77.5	30.3	97	36.1	1953	67.6	19.3	54	12.2	1944
2	77.5	25.1	77.4	30.2	100	37.8	1977	67.0	19.4	56	13.3	1969
3	76.5	24.9	76.4	30.2	100	37.5	1960	67.2	19.6	53	11.7	1946
4	76.4	25.8	76.3	31.3	99	37.2	1977	68.4	20.2	54	12.2	1954
5	76.9	26.1	76.5	31.4	104	40.0	1948	69.0	20.8	54	12.2	1970
6	70.5	26.9	71.2	32.2	102	38.9	1948	69.8	21.0	55	12.8	1970
7	71.5	27.6	71.4	33.0	98	36.7	1948	71.7	22.1	60	15.6	1970
8	72.1	27.8	72.2	33.4	101	38.3	1956	72.0	22.2	64	17.8	1977
9	71.4	27.4	70.7	32.4	99	37.2	1977	72.1	22.3	60	15.6	1955
10	71.9	27.7	71.9	33.3	99	36.7	1963	71.9	22.2	55	14.4	1955
11	71.7	27.4	70.8	32.7	101	38.3	1953	71.8	22.1	56	13.3	1955
12	71.2	27.3	71.3	32.9	102	38.9	1953	71.1	21.7	59	15.0	1979
13	71.7	27.8	71.9	33.3	101	37.3	1953	72.1	22.3	63	17.2	1970
14	72.6	28.1	72.7	33.7	105	40.6	1953	72.4	22.4	54	12.2	1947
15	72.4	28.0	72.4	33.5	102	38.9	1967	72.4	22.4	57	13.9	1947
16	71.5	27.5	71.4	33.1	99	37.2	1948	71.7	22.1	61	16.1	1961
17	71.9	27.7	71.6	33.1	100	37.8	1952	72.2	22.3	60	15.6	1941
18	72.5	28.1	72.3	33.5	101	38.3	1953	72.8	22.7	57	15.6	1945
19	72.2	28.4	73.5	34.2	101	38.3	1959	73.0	22.8	62	16.7	1973
20	73.1	28.4	73.2	34.0	103	39.4	1972	73.0	22.8	61	16.1	1976
21	72.9	28.3	73.1	33.9	104	40.0	1953	72.8	22.7	63	17.2	1976
22	73.0	28.6	73.1	33.9	103	39.4	1953	73.9	23.3	62	17.2	1961
23	73.7	28.7	73.6	34.2	103	39.4	1980	73.9	23.3	64	17.8	1973
24	73.3	28.9	72.7	33.7	104	40.0	1980	73.9	23.3	64	17.8	1973
25	73.3	28.5	73.2	34.7	109	42.2	1980	73.3	22.9	60	15.6	1974
26	73.3	28.5	73.1	33.9	112	44.4	1980	73.5	23.1	58	14.4	1956
27	74.3	29.0	74.1	34.5	111	43.3	1980	74.4	23.6	59	15.0	1956
28	74.5	29.2	74.5	34.7	110	43.3	1980	74.7	23.7	56	13.3	1946
29	74.7	29.3	74.5	34.7	106	41.1	1980	74.9	23.9	64	17.8	1948
30	75.1	29.5	74.9	34.9	105	40.6	1980	75.0	24.1	68	20.0	1950
31												
Monthly	71.9	27.7	71.8	33.0	112	44.4	1960	72.0	22.2	53	11.7	1946

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	64.3	29.3	64.9	34.0	103	42.2	1980		74.8	23.8	67	19.4	1950
2	65.3	29.6	65.4	35.2	103	42.2	1981		75.2	24.0	68	20.0	1945
3	65.4	29.7	65.4	35.2	106	41.1	1981		75.5	24.2	68	20.0	1945
4	65.3	29.6	65.2	35.1	104	40.0	1979		75.4	24.1	67	19.4	1948
5	65.1	29.5	65.1	35.1	103	39.4	1978		75.0	23.9	67	19.4	1949
6	65.3	29.6	65.2	35.1	103	39.4	1954		75.4	24.1	62	16.7	1972
7	65.5	29.7	65.8	35.4	104	40.0	1970		75.3	24.1	64	17.8	1968
8	65.8	29.9	65.9	35.5	107	41.7	1956		75.7	24.3	67	19.4	1952
9	66.6	30.3	66.8	36.1	106	41.1	1976		76.3	24.6	63	17.2	1952
10	66.1	30.1	65.5	35.3	105	40.6	1978		76.2	24.6	65	18.3	1952
11	66.7	30.1	66.6	35.9	107	41.7	1954		75.8	24.3	71	21.1	1945
12	66.7	30.3	66.7	35.9	109	42.8	1954		76.2	24.6	66	18.6	1953
13	66.7	30.1	66.3	35.7	105	40.6	1978		76.1	24.5	65	18.3	1953
14	66.1	30.1	66.3	35.7	107	40.6	1978		76.0	24.4	67	19.4	1953
15	66.1	30.1	66.1	35.6	111	43.9	1978		76.0	24.4	63	17.2	1967
16	66.1	30.0	65.8	35.4	107	41.7	1980		76.2	24.6	67	19.4	1967
17	65.9	29.9	65.9	35.5	109	42.8	1954		75.8	24.3	63	20.0	1961
18	66.5	30.3	66.6	35.9	111	43.3	1981		76.4	24.7	60	18.9	1945
19	66.1	30.0	65.9	35.5	104	40.0	1970		76.1	24.5	69	20.6	1945
20	66.9	29.9	65.8	35.4	104	40.0	1974		76.1	24.5	63	17.2	1947
21	66.1	30.1	66.1	35.6	107	41.7	1974		76.1	24.4	67	19.4	1971
22	66.5	30.3	66.9	36.1	107	41.7	1974		75.1	24.5	66	18.9	1971
23	66.1	30.1	66.6	35.9	103	42.2	1974		75.7	24.3	64	17.8	1971
24	76.1	31.5	67.3	36.3	103	42.2	1954		76.8	24.9	67	19.4	1947
25	66.9	30.5	67.3	36.3	111	43.9	1944		76.6	24.8	63	17.2	1972
26	66.4	30.2	66.4	35.3	106	41.1	1964		76.5	24.7	70	21.1	1962
27	66.6	30.3	67.0	36.1	103	39.4	1967		76.1	24.5	70	21.1	1971
28	76.1	30.6	67.6	36.4	103	39.4	1978		76.5	24.7	70	21.1	1971
29	67.2	30.7	68.1	36.7	103	40.6	1974		76.3	24.6	71	21.1	1971
30	66.4	30.2	66.4	35.8	108	42.2	1957		76.5	24.7	62	16.7	1971
31	66.9	30.5	67.0	36.1	107	41.7	1967		76.8	24.9	58	14.4	1971
Monthly	66.1	30.1	66.3	35.7	111	43.9	1978		76.0	24.4	58	14.4	1971

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

1901 1945-1982 4 AUGUST  
STATION DALLAS, TX STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	6.1	30.1	76.5	35.8	103	39.4	1981		75.7	24.3	64	17.8	1971
2	5.5	29.7	75.7	35.4	104	40.2	1977		75.3	24.1	66	18.9	1973
3	6.1	30.1	76.7	35.9	103	39.4	1967		75.5	24.2	64	17.8	1973
4	6.3	30.3	79.7	35.9	105	40.6	1951		76.2	24.6	67	19.4	1974
5	6.6	30.3	77.0	36.1	106	42.2	1964		76.2	24.6	63	17.2	1948
6	7.3	31.7	98.1	36.7	107	41.7	1956		76.4	24.7	65	18.3	1975
7	7.6	30.9	98.3	36.9	118	42.2	1953		76.7	24.9	66	18.9	1957
8	7.7	30.9	98.3	36.8	106	41.1	1977		77.7	25.3	77	25.1	1971
9	7.7	30.7	98.4	36.7	107	41.7	1947		76.3	24.6	66	18.9	1953
10	6.9	30.5	77.8	36.6	108	42.2	1947		75.9	24.4	67	19.4	1959
11	6.7	30.2	76.8	36.0	109	42.8	1960		75.8	24.3	67	19.4	195
12	6.7	29.8	96.2	35.7	105	40.6	1948		75.2	24.0	63	17.2	1979
13	6.5	30.3	97.3	36.3	107	41.7	1969		75.8	24.3	66	18.9	1967
14	7.1	30.7	97.8	36.6	106	41.1	1956		76.9	24.9	67	19.4	1955
15	6.6	30.3	96.6	35.9	106	41.1	1951		76.5	24.7	64	17.8	1955
16	6.2	30.4	97.3	36.3	107	41.7	1956		76.3	24.6	68	20.0	1955
17	6.1	30.1	96.4	35.8	107	41.7	1951		75.8	24.3	68	20.0	1948
18	5.5	29.7	95.7	35.4	106	41.1	1951		75.3	24.1	69	20.6	1961
19	5.4	29.7	96.0	35.6	105	40.6	1949		74.9	23.8	65	18.3	1957
20	5.3	29.6	95.8	35.4	105	40.6	1948		74.8	23.8	67	19.4	1941
21	4.8	29.3	95.9	35.5	106	41.1	1948		73.8	23.2	63	17.2	195
22	4.1	28.9	95.2	35.1	105	40.6	1940		73.1	22.8	63	17.2	1956
23	4.4	29.1	95.3	35.2	107	41.7	1940		73.4	23.0	63	17.2	1949
24	4.2	28.9	94.7	34.8	104	40.0	1940		73.3	22.7	62	16.7	1966
25	3.9	28.8	94.4	34.7	104	40.0	1952		73.5	23.1	64	17.8	1966
26	4.1	28.9	94.2	34.6	102	38.9	1963		74.1	23.3	62	16.7	1966
27	4.4	29.1	94.7	34.8	104	40.0	1963		74.1	23.4	66	18.9	1949
28	3.9	28.8	93.8	34.3	102	38.9	1951		74.1	23.4	67	19.4	1961
29	3.7	28.7	93.4	34.1	105	40.6	1967		73.8	23.2	64	17.8	1969
30	3.7	28.7	94.2	34.6	108	42.2	1967		73.2	22.9	65	18.3	1946
31	3.2	28.4	93.1	33.9	104	40.0	1951		73.4	23.0	63	17.2	1957
Monthly	5.6	29.8	96.1	35.6	109	42.8	1964		75.1	23.9	62	16.7	1966

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

1901

DALLAS, TX

1945-1982

PT MRS

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	°F	°C	AVERAGE °F	°C	EXTREME °F	°C		AVERAGE °F	°C	EXTREME °F	°C	
1	72.7	22.6	72.5	22.5	104	40.0	1951	72.7	22.6	63	17.2	1955
2	72.7	22.6	72.5	22.5	105	40.6	1951	72.7	22.6	61	15.6	1974
3	72.7	22.6	72.5	22.5	104	40.0	1951	72.3	22.4	57	13.2	1974
4	72.7	22.6	72.5	22.5	102	38.9	1978	72.0	22.2	51	10.6	1974
5	71.5	21.9	71.7	21.7	101	39.3	1947	71.4	21.9	53	11.7	1974
6	71.5	21.9	71.7	21.7	102	39.9	1963*	71.5	21.9	51	10.6	1974
7	71.5	21.9	71.7	21.7	103	39.4	1963	71.5	22.1	56	13.3	1974
8	71.5	21.9	71.7	21.7	99	37.2	1972	71.9	21.6	60	15.6	1974
9	70.2	21.1	70.4	21.1	102	38.9	1954	71.0	21.1	57	13.9	1956
10	70.4	21.1	70.4	21.1	99	37.2	1980	69.7	20.9	57	13.9	1968
11	70.8	21.6	70.6	21.1	100	37.8	1963	69.1	20.6	52	11.1	1969
12	71.0	21.6	70.7	21.1	100	37.8	1965	68.8	20.4	55	12.8	1959
13	71.0	21.6	70.5	21.4	102	39.9	1965	67.4	19.7	57	13.9	1974
14	70.7	21.5	70.9	21.6	103	39.4	1965	68.4	20.2	51	10.6	1945
15	70.1	21.6	70.4	21.3	101	38.3	1980	67.9	19.9	51	10.6	1945
16	71.0	21.7	70.3	21.3	102	38.9	1980	68.3	20.2	57	13.9	1974
17	70.6	21.3	70.8	21.3	98	36.7	1982	67.5	19.7	53	11.7	1981
18	70.3	21.2	70.2	21.2	99	37.2	1980*	68.4	20.2	47	9.4	1941
19	70.3	21.1	69.1	21.2	103	39.4	1956	68.8	20.4	47	9.4	1981
20	70.1	21.2	69.1	21.7	102	38.9	1953	69.2	20.7	47	9.4	1971
21	70.5	21.3	67.2	20.7	99	37.2	1956	67.8	19.9	56	13.3	1980
22	70.7	21.4	65.5	20.7	99	37.2	1980	66.3	19.1	51	10.6	1982
23	70.4	21.1	65.7	20.8	97	36.1	1948	65.1	18.4	49	9.4	1975
24	70.1	21.3	64.8	20.3	98	36.7	1977	65.4	18.6	51	10.6	1975*
25	70.2	21.2	65.1	20.5	99	37.2	1977	65.3	18.5	49	9.4	1975
26	70.2	21.0	65.4	20.7	100	37.8	1977	64.3	17.9	51	10.6	1975
27	70.5	21.6	65.2	20.6	104	40.0	1977	63.8	17.7	49	9.4	1948
28	71.0	21.2	64.8	20.3	104	40.0	1953	62.8	17.1	46	7.8	1967
29	70.7	21.3	65.4	20.7	101	38.3	1953	62.6	17.1	45	7.2	1974
30	70.2	21.2	65.0	20.4	98	36.7	1977*	61.3	16.3	45	7.2	1972
31												
Monthly	70.4	21.8	68.7	21.5	101	40.6	1951	64.1	20.1	45	7.2	1974*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

1951

FALLAS, T.

1945-1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	73.7	22.5	74.9	29.4	111	38.3	1979	61.7	16.1	46	7.8	1972
2	73.8	23.2	75.6	29.8	96	35.6	1982	62.6	16.7	47	8.3	1975
3	73.3	22.9	73.7	28.7	98	36.7	1951	62.9	17.2	47	8.3	1961
4	73.1	22.8	75.0	28.3	96	35.6	1982*	63.3	17.4	45	7.2	1975
5	72.4	22.4	72.3	27.7	95	36.7	1963	62.6	17.0	47	8.3	1975
6	71.8	22.1	72.5	28.1	96	35.6	1956	61.1	16.2	47	8.3	1964
7	70.4	21.4	71.4	27.4	96	35.6	1979*	57.7	15.4	44	6.7	1952
8	70.3	21.1	71.6	27.6	97	36.1	1963	58.5	14.7	36	2.2	1952
9	70.1	21.2	72.1	27.8	95	35.7	1963	58.1	14.5	41	5.0	1952
10	70.4	21.3	71.4	27.4	94	34.4	1975*	59.4	15.2	43	6.1	1952
11	71.8	22.1	72.8	28.2	97	36.1	1979	67.9	16.1	45	8.9	1952
12	71.3	21.9	72.9	28.3	95	35.7	1979*	67.1	15.6	38	3.3	1977
13	71.2	21.8	72.3	27.7	95	35.7	1954	67.1	15.6	42	5.6	1969
14	70.7	20.9	71.0	27.2	92	33.3	1972	58.5	14.7	34	3.3	1967
15	69.9	20.5	70.8	26.7	91	32.8	1962*	59.1	15.1	46	7.8	1974
16	67.6	19.8	70.7	26.1	93	37.7	1972	56.2	13.4	77	2.8	1952
17	67.6	19.8	75.7	23.9	96	35.6	1972	56.4	13.6	40	4.4	1967
18	66.2	19.6	78.9	26.1	93	33.9	1972	55.7	13.2	72	.0	1945
19	66.0	18.9	77.8	25.4	91	32.8	1978*	54.2	12.3	41	5.0	1976
20	67.7	19.3	78.8	26.0	92	33.3	1978*	54.6	12.6	36	2.2	1976*
21	67.7	19.4	78.4	25.8	91	32.8	1979	55.7	13.2	41	5.0	1976
22	67.7	19.3	77.4	25.2	87	30.4	1951	55.0	13.3	41	4.4	1952
23	69.4	19.6	75.9	24.4	87	30.4	1955	54.8	12.7	35	3.3	1952
24	63.2	17.3	74.3	23.3	80	31.7	1947	52.5	11.4	40	4.4	1952
25	62.2	17.1	74.1	23.4	97	32.2	1950	51.5	10.8	37	2.8	1955
26	63.4	17.4	74.7	23.8	97	32.2	1977*	51.8	11.0	37	2.8	1957
27	62.3	16.9	73.6	23.1	87	30.4	1963*	51.5	10.8	31	-6	1957
28	62.4	16.9	72.7	22.6	89	31.7	1957	52.2	11.2	34	1.1	1957
29	63.5	17.5	73.9	23.3	97	32.2	1977	53.2	11.8	36	2.2	1957
30	65.2	18.4	76.1	24.5	91	32.7	1951	54.3	12.4	31	-6	1957
31	64.1	17.8	74.3	23.5	92	32.7	1977	54.7	12.2	35	3.0	1976
Monthly	66.7	20.1	72.3	26.2	101	38.3	1979	57.3	14.0	31	-6	1957

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

1971

ALLAS. TX

1945-1970

NOV BE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	55.1	12.8	73.5	23.1	87	30.6	1955		52.7	11.5	34	-1.2	1965	
2	55.1	12.8	70.6	21.4	87	30.6	1978*		49.6	9.8	2	-1.1	1966	
3	57.7	13.9	67.3	19.6	89	31.7	1948		46.9	8.2	2	-2.2	1951	
4	57.7	13.9	69.1	20.6	90	32.2	1948		47.2	8.4	21	-0.6	1967	
5	57.7	13.9	59.6	15.3	85	29.4	1963		47.6	8.9	22	-0.7	1970	
6	57.7	13.9	69.5	20.8	85	29.4	1980		47.9	8.8	23	-2.2	1959	
7	57.6	14.2	69.6	20.9	87	30.6	1980*		47.6	8.7	21	-0.6	1959	
8	57.6	14.2	68.9	20.5	86	30.7	1980		47.3	8.5	21	-0.6	1968	
9	57.1	13.9	68.3	20.2	9	32.2	1983		45.9	7.7	20	-1.1	1955	
10	57.6	13.9	67.2	20.1	85	29.4	1978		45.9	7.7	25	-3.9	1967	
11	57.6	13.9	70.4	21.3	82	27.8	1975*		46.9	8.3	1	-7.8	19	
12	57.6	13.9	70.0	21.1	85	29.4	1951		47.6	8.7	27	-2.8	1965	
13	57.6	13.9	69.7	20.9	87	30.6	1951		48.7	8.9	20	-1.1	1982*	
14	57.4	14.0	67.9	19.9	85	29.4	1955		48.8	9.3	27	-2.8	1969	
15	57.7	14.0	68.7	20.4	85	29.4	1965*		47.9	8.8	25	-3.9	1969	
16	57.3	14.1	58.7	15.4	83	28.3	1952		46.4	8.1	27	-2.8	1970	
17	55.1	12.8	64.9	18.3	83	28.3	1952		45.3	7.4	20	-6.7	1959	
18	54.6	12.7	64.6	18.1	85	29.4	1973		45.1	7.3	22	-5.6	1951	
19	55.5	13.1	66.1	18.9	87	30.6	1950		44.9	7.2	25	-3.9	1951	
20	54.7	12.6	65.9	18.8	85	29.4	1977		43.5	6.4	25	-3.9	1969	
21	54.7	12.3	65.1	18.4	85	29.4	1967		43.3	6.3	20	-1.1	1969	
22	54.7	12.3	64.3	17.9	85	29.4	1953		44.1	6.7	20	-2.2	1976	
23	54.7	12.3	64.4	18.2	85	29.4	1967		43.6	6.4	23	-5.7	1975	
24	52.7	11.5	62.4	16.9	89	31.1	1965		43.4	6.3	22	-5.6	197	
25	55.3	13.5	68.2	20.1	86	30.0	1965		44.4	6.9	25	-3.9	195	
26	54.7	12.6	65.8	18.8	85	29.4	1965		43.5	6.4	27	-2.8	1975	
27	54.7	12.6	61.8	16.6	81	27.7	1964		40.2	4.6	27	-2.8	1975	
28	54.7	12.6	57.7	14.3	83	28.3	1949		39.4	4.1	23	-5.0	1955	
29	55.4	13.0	60.0	15.6	81	27.7	1949		36.9	2.7	15	-5.9	1976	
30	55.4	13.0	61.6	16.4	82	27.8	195		39.2	4.0	21	-6.1	1979	
31														
Monthly	55.0	13.4	66.8	19.3	90	32.2	1950*		45.4	7.4	16	-8.9	1975	

\*ALSO IN EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
1	43.6	12.0	64.6	18.1	87	27.8	42.6	5.7	26	-3.3
2	43.1	11.7	64.4	18.0	87	26.7	41.9	5.5	27	-2.1
3	42.1	11.3	64.6	18.1	85	29.4	41.2	4.6	26	-3.3
4	42.1	11.6	63.8	17.7	85	29.4	42.1	5.6	26	-0.3
5	42.4	11.9	64.3	17.9	87	26.7	42.6	5.8	18	-7.8
6	42.1	10.3	60.4	15.9	84	28.9	41.2	4.9	13	-11.6
7	42.3	9.6	59.5	15.3	80	26.7	39.1	3.9	12	-11.1
8	42.1	9.5	57.2	15.1	82	27.8	38.9	3.8	24	-4.4
9	46.1	8.2	55.5	13.1	77	25.7	38.1	3.4	20	-6.7
10	46.1	9.3	55.6	13.1	76	24.4	38.2	3.4	20	-6.7
11	47.7	8.7	57.9	14.4	77	26.1	37.5	3.1	22	-5.6
12	47.5	9.1	57.2	13.9	87	31.6	36.1	2.3	19	-7.2
13	47.5	7.5	55.3	12.9	81	26.7	35.7	2.1	19	-7.2
14	47.3	9.5	56.9	13.9	77	25.7	37.6	3.1	16	-8.9
15	47.1	8.3	57.6	14.2	75	24.4	36.3	2.4	14	-7.2
16	47.6	8.7	57.4	14.7	84	28.9	36.7	2.6	15	-9.4
17	47.1	8.9	57.8	14.9	75	23.9	37.1	2.6	13	-7.8
18	47.7	9.3	57.3	15.2	81	27.2	38.1	3.4	16	-5.9
19	47.4	9.1	57.2	15.7	75	27.9	37.7	3.2	17	-8.3
20	47.3	9.1	59.1	15.1	77	25.7	37.6	3.1	21	-5.6
21	47.1	9.8	59.9	15.5	81	26.7	35.2	2.2	18	-7.8
22	47.1	9.3	60.2	15.7	81	25.7	37.2	2.9	17	-8.7
23	47.9	9.4	59.0	15.0	79	26.1	38.9	3.4	11	-11.7
24	47.6	9.6	58.6	14.8	77	25.7	36.2	2.3	18	-7.8
25	46.1	8.3	57.2	14.6	73	22.7	35.6	2.0	24	-4.4
26	46.1	8.3	57.9	14.4	74	23.3	35.9	2.2	22	-5.6
27	47.1	9.2	59.1	15.1	80	26.7	38.1	3.4	24	-4.4
28	46.1	8.3	56.4	13.6	79	26.1	37.5	3.1	25	-3.9
29	46.1	8.3	56.4	13.6	75	25.6	37.3	3.1	18	-7.8
30	46.1	7.8	55.4	13.7	84	24.9	36.9	2.7	14	-7.8
31	44.5	6.9	53.6	12.7	87	26.7	35.4	1.9	18	-10.6
Monthly	47.5	9.2	58.9	14.9	87	31.6	38.1	3.4	11	-11.7

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NAME STATION NAME YEARS

ALL DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	77	78	80	84	83	88	90	100	99	84	77	78	
2	75	78	82	83	83	93	104	102	102	84	79	77	
3	81	80	86	90	88	100	101	100	100	80	78	77	
4	80	82	89	90	84	100	102	100	99	80	78	77	
5	71	79	87	90	87	97	102	100	105	88	87	84	
6	84	78	88	84	88	100	103	100	102	85	80	77	
7	89	88	90	87	88	100	104	100	104	87	85	77	
8	78	80	84	80	84	100	111	100	102	85	78	70	
9	73	70	85	87	80	90	102	104	107	83	87		
10	77	80	80	80	86	102	100	100	100	86	80	80	
11	80	87	74	81	80	88	100	100	100	81	70	77	
12	86	78	70	80	80	100	102	100	100	80	78	77	
13	84	87	88	80	86	100	107	100	100	80	70	77	
14	86	80	85	84	80	100	104	100	100	80	82	77	
15	83	70	84	87	80	95	107	101	100	80	80	70	
16	70	86	80	80	86	88	100	100	100	80	82	70	
17	77	84	86	100	87	100	100	100	100	80	86	80	
18	76	87	78	88	83	87	106	100	100	80	81	70	
19	75	70	70	87	83	86	102	104	100	84	80	70	
20	70	71	82	80	84	86	102	101	100	80	80	80	
21	84	80	83	84	100	100	107	100	100	80	80	70	
22	80	80	82	85	84	80	80	100	100	80	80	77	
23	83	80	81	87	80	100	100	100	100	80	80	70	
24	80	78	83	87	80	80	100	100	100	80	80	70	
25	80	70	81	87	80	80	100	100	100	80	80	70	
26	81	80	81	83	80	80	100	100	100	80	80	70	
27	81	80	81	83	80	80	100	100	100	80	80	70	
28	81	80	81	83	80	80	100	100	100	80	80	70	
29	81	80	81	83	80	80	100	100	100	80	80	70	
30	81	80	81	83	80	80	100	100	100	80	80	70	
31	81	80	81	83	80	80	100	100	100	80	80	70	
MEAN													
S.D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

STATION	STATION NAME	YEARS
1	131 LAS, Tr	4

U. S. DEPT. OF JUSTICE

[illegible]

## SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-1952

IN DEGREES FAHRENHEIT  
BASED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1			84										MAX TEMP 84
2		75											MAX TEMP 75
3	78		79	88									MAX TEMP 88
4			31	27									MAX TEMP 31
5													MAX TEMP 27
6													MAX TEMP 27
7													MAX TEMP 27
8													MAX TEMP 27
9													MAX TEMP 27
10													MAX TEMP 27
11													MAX TEMP 27
12													MAX TEMP 27
13													MAX TEMP 27
14													MAX TEMP 27
15													MAX TEMP 27
16													MAX TEMP 27
17													MAX TEMP 27
18													MAX TEMP 27
19													MAX TEMP 27
20													MAX TEMP 27
21													MAX TEMP 27
22													MAX TEMP 27
23													MAX TEMP 27
24													MAX TEMP 27
25													MAX TEMP 27
26													MAX TEMP 27
27													MAX TEMP 27
28													MAX TEMP 27
29													MAX TEMP 27
30													MAX TEMP 27
31													MAX TEMP 27
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 4

IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1			12	36	46	40	46	61	51	37	27	17	
2	25	28		43		53		65	56	47	22	18	
3	7	21	22	37	46	63	63	60	51	50	32	25	7
4	14				47	50	58	43	49	32	25	24	
5			22		50	66	70	73	48	40	33	26	
6	15	3	25	35	56	61	67	67	57	47	18	17	1
7	14	4	28	39	53	62	69	71	62	42	22	19	
8	26	7	32	35	46	62	63	72	59	36	20	25	25
9	0	28	25	34	46	63	65	64	56	40	32	18	17
10	15	3	24	36	49	54	75	68	52	39	30	20	17
11	20	19	22	40	57	56	69	64	61	37	23		
12	17	25	31	33	53	62	74	62	57	45	26	26	17
13	17	27	17	32	46	65	76	60	55	31	33	22	19
14	23	1	22	40	52	53	68	64	57	45	28	16	16
15		24	34	36	57	64	70	67	55	38	20	26	7
16	23	17	27	42	44	66	70	62	58	41	20	22	17
17	12	20	19	47	51	61	68	52	55	43	16	19	17
18	7	2	19	34	42	65	71	65	59	41	17	15	7
19		21	31	47	49	68	72	67	52	48	7	11	
20	10	25	30	37	51	54	69	72	56	39	20	16	17
21	17	17	22	41	51	63	69	66	54	44	16	22	17
22	17	21	21	36	48	64	73	62	50	36	20	18	1
23	11	22	24	47	45	66	73	66	46	40	31	24	1
24	17	24	25	36	49	62	64	64	51	39	27	15	17
25	15	27	22	41	45	56	72	77	58	38	25	20	19
26	15	21	29	37	46	54	64	66	53	37	22	22	15
27	15	20	19	3	44	65	75	64	47	47	35	30	0
28	14	20	31	41	54	57	72	66	45	45	20	15	14
29	3	20	35	30	44	61	67	64	54	38	20	22	7
30	15	21	30	37	55	60	69	65	45	41		20	
MEAN													
S. D.													
TOTAL OBS.													

SMOS

1997 2540454J21

STAINING TEMPERATURE  
(FROM DAILY OBSERVATIONS)

A. L. G. S. T.

STATION NAME

4 - "

**YEARS**

#### 4. LE DEGRE DES FAMILIARITE

[illegible]

## SMOS

## EXTREME VALUES

STATION DALLAS, TX

STATION NAME

**YEARS**

IN LE DEGREES FAHRENHEIT  
/RAISED ON LESS THAN FULL MONTHS/

[illegible]

## SMOS

4

NOV 2007 54321

# PSYCHROMETRIC SUMMARY

STATION 279-1 DALLAS, TX STATION NAME 73-82 YEARS JAN NORTH

PAGE 1  
HOURS (L E T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point							
50 / 79								.1				.0	.0					4	4								
78 / 77							.1	.0			.0	.0						5	5								
76 / 75					.0		.0	.1		.0	.0	.1	.0					9	9								
74 / 73				.0	.0	.0				.0	.0		.0					5	5								
72 / 71				.1		.2			.1	.1	.1	.0						14	14								
70 / 69			.1	.2	.0	.0	.1	.1	.2	.1	.2	.1						23	23								
68 / 67		.1	.3	.2	.3	.1	.3	.2	.2	.1	.0							42	42								
66 / 65		.1	.4	.2	.1	.1	.2	.2	.1	.1								37	37	11	1						
64 / 63		.2	.3	.2	.2	.2	.2	.2	.3	.3								54	54	17	17						
62 / 61	.0	.4	.1	.3	.4	.3	.3	.3	.2	.1	.0							63	63	32	16						
60 / 59	.1	.4	.5	.2	.4	.2	.3	.2	.2	.0								64	64	34	22						
58 / 57		.3	.7	.5	.4	.6	.3	.3	.2	.1								83	83	27	32						
56 / 55		.5	.6	.5	.2	.6	.3	.4	.1									81	81	59	25						
54 / 53	.0	.9	.6	.8	.4	.5	.4	.1	.1									97	97	73	24						
52 / 51	.0	.4	.6	.5	.6	.6	.5	.2										87	87	95	44						
50 / 49	.1	.7	.8	.6	.7	.7	.3	.2										98	98	70	56						
48 / 47	.1	1.2	.8	1.2	.6	.9	.2											123	123	115	57						
46 / 45	.4	1.4	.7	1.4	.6	.6	.2											135	135	125	79						
44 / 43	.1	1.2	1.3	1.1	.8	.5	.2											130	130	136	85						
42 / 41	.1	1.1	1.3	1.7	.8	.5	.1											141	141	134	80						
40 / 39	.2	1.5	1.5	1.4	.8	.3	.0											141	141	144	81						
38 / 37	1.1	2.1	1.6	1.9	.8	.1												189	189	180	136						
36 / 35	.2	1.5	1.2	1.0	.6	.1												114	114	173	119						
34 / 33	.4	2.3	1.7	.7	.4	.1												139	139	174	144						
32 / 31	.4	2.1	1.4	1.3	.2	.0												134	134	190	146						
30 / 29	.3	1.6	1.4	1.1	.2													117	117	143	172						
28 / 27	.5	1.2	1.1	.4	.1													82	82	118	157						
26 / 25	.1	1.2	1.2	.3														70	70	106	144						
24 / 23	.1	1.2	1.1	.2														65	65	90	124						
22 / 21	.1	.7	.6	.2														38	38	68	124						
20 / 19	.2	.7	.4	.1														34	34	59	109						
18 / 17	.2	.6	.2															26	26	37	85						
16 / 15	.1	.4	.1															15	15	28	99						
14 / 13	.1	.2	.2															11	11	17	68						
Element (X)	$\Sigma X^2$				$\Sigma X$				$\bar{X}$				$\sigma_X$				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

NAVWEASERVCOM

**YEARS**

STATION NAME

**YEARS**

MONTA

HOURS (L S Y )

NAVWEASERVCOM

4

12/16 2087 54321

## PSYCHROMETRIC SUMMARY

939-1  
STATIONDALLAS, TX  
STATION NAME73-82  
YEARSFEB  
MONTHPAGE 1  
HOURS (L & Y)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
90 / 89																	.0			1	1			
89 / 87																	.0			1	1			
88 / 83												.1	.1	.0						6	6			
87 / 81									.0		.1	.0	.0	.0						6	6			
86 / 79								.0	.0		.0	.2	.0	.0						9	9			
85 / 77							.1	.1	.2	.1	.2	.0	.1	.1						23	23			
84 / 75						.0	.1	.1	.2	.1	.2	.1	.2	.0	.0					20	20			
84 / 73					.0	.1	.4	.3	.2	.2	.0	.2	.0	.0						34	34			
82 / 71					.4	.4	.2	.1	.1	.3	.1	.0	.0							40	40			
80 / 69			.0	.3	.2	.4	.3	.1	.2	.2	.3	.1	.0							48	48			
79 / 67			.2	.4	.3	.2	.3	.1	.3	.2	.1	.1								46	46			
78 / 65			.8	.4	.3	.3	.3	.2	.2	.1	.1									61	61	9		
74 / 63		.1	.6	.6	.4	.4	.4	.6	.3	.2										80	80	38	1	
72 / 61		.3	.8	.4	.3	.8	.8	.2	.2	.2										87	87	66	5	
70 / 59		.4	.7	.2	.7	.4	.5	.4	.4											86	86	61	38	
68 / 57	.0	.5	.6	.6	.5	.6	.6	.3	.1	.0										88	88	81	45	
66 / 55		.4	1.0	.7	.8	.8	.7	.3	.1											109	109	73	60	
64 / 53	.0	.8	.8	.6	.8	.4	.4	.1												90	90	97	54	
62 / 51	.0	.7	1.1	.5	.7	.9	.4	.1												100	100	106	61	
60 / 49	.0	.6	1.0	.6	1.2	.6	.3	.0												97	97	132	62	
58 / 47	.5	.3	1.1	1.2	1.6	.7	.1													125	125	116	70	
56 / 45	.8	1.0	1.0	1.2	.9	.5	.3													128	128	137	97	
54 / 43	.3	.8	1.8	.9	.8	.3	.0													111	111	129	93	
52 / 41	.6	1.0	1.1	2.2	.7	.1														129	129	159	92	
50 / 39	.6	1.4	1.8	1.2	.4	.2														128	128	158	112	
48 / 37	.2	1.6	1.5	.9	.5	.0														106	106	136	127	
46 / 35	.3	1.7	2.2	.9	.2															121	121	155	138	
44 / 33	.3	1.6	1.5	.8	.2															95	95	142	141	
42 / 31	.2	1.4	1.2	.4																71	71	111	163	
40 / 29	.1	1.3	1.0	.2																58	58	102	141	
38 / 27	.0	1.2	.9	.2	.0															53	53	72	126	
36 / 25		1.1	.6	.1																41	41	66	156	
34 / 23		.5	.5																	22	22	36	102	
32 / 21		.6	.0	.0																16	16	32	91	
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_X$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

NAVWEASERVCOM

4

## PSYCHROMETRIC SUMMARY

4301  
STATION

GALLAS, TY

STATION NAME

73-02

**YEARS**

FEB  
MONTH

PAGE 2

[illegible]

NAVWEASERVCOM



4

## PSYCHROMETRIC SUMMARY

9891  
STATIONDALLAS, TX  
STATION NAME73-72  
YEARSMAR  
MONTHPAGE 1  
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL				
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
96 / 95													.0					1	1						
94 / 93												.0						1	1						
92 / 91														.0				1	1						
90 / 89										.0								1	1						
88 / 87														.0	.0			2	2						
86 / 85									.0	.0					.0			3	3						
84 / 83								.0	.0		.0	.0	.1					10	10						
82 / 81						.0	.3	.2	.2	.1	.0	.1	.2	.0	.0			29	29						
80 / 79					.0	.2	.4	.4	.1	.0	.2	.2	.1	.1				46	46						
78 / 77				.0	.3	.2	.4	.2	.1	.2	.3	.3	.1	.0				48	48						
76 / 75			.0	.6	.5	.2	.3	.3	.2	.2	.2	.2	.2					76	76						
74 / 73	.0	.0	.5	.2	.5	.2	.3	.3	.3	.2	.2	.2	.1					72	72	1					
72 / 71	.0	.4	1.0	.6	.5	.3	.3	.2	.3	.2	.1							97	97	9	1				
70 / 69	.1	1.0	.9	.5	.6	.4	.4	.3	.1	.3	.2							120	120	30					
68 / 67	.3	1.0	.8	.5	.5	.6	.4	.7	.6	.2								141	141	76	7				
66 / 65	.1	.4	1.4	.8	.4	.3	.6	.4	.6	.2	.2	.0						136	136	106	46				
64 / 63	.1	.9	1.2	.9	.6	.7	.8	.9	.4	.2								165	165	104	86				
62 / 61	.0	.9	1.0	.6	.6	.7	1.1	.6	.4	.2								157	157	125	93				
60 / 59	.1	.9	.8	.7	.9	1.0	.5	.4	.4	.0								141	141	144	127				
58 / 57	.2	.5	1.1	1.0	.6	1.5	1.0	.4	.1	.0								161	161	148	119				
56 / 55	.4	.8	.9	1.4	1.1	.8	.5	.4	.1									160	160	145	99				
54 / 53	.1	.7	1.2	1.4	1.5	.8	.4	.1										155	155	159	92				
52 / 51	.2	.5	1.4	1.3	.9	1.0	.3	.0										139	139	183	93				
50 / 49	.8	1.5	1.0	1.0	.7			.0										127	127	211	65				
48 / 47	.2	.6	.8	.7	.9	.3	.1											91	91	216	121				
46 / 45	.2	.9	1.2	1.0	.3	.3	.0											97	97	178	123				
44 / 43	.2	.4	.8	.7	.4	.0												64	64	163	149				
42 / 41	.0	.5	.8	.8	.2	.0												59	59	118	146				
40 / 39	.1	.3	.7	.8	.1	.1												53	53	97	169				
38 / 37	.2	.4	.7	.3	.0	.0												42	42	77	154				
36 / 35	.1	.3	.4	.2	.0													27	27	64	141				
34 / 33		.3	.4		.1													20	20	43	120				
32 / 31	.0	.2	.1	.2														14	14	29	107				
30 / 29	.1	.1		.2														10	10	20	107				
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature											Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total						
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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4

## PSYCHROMETRIC SUMMARY

93901  
STATION

DALLAS, TX

STATION NAME

73-42

**YEARS**

MAJ  
MONTH

PAGE 2

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1011 2097-54321

# PSYCHROMETRIC SUMMARY

97911 DALLAS, TX 73-82 APR 7

PAGE 1  
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31					Dry Bulb	Wet Bulb	Dew Point
92/ 91										.0	.1										3	3		
90/ 89										.0	.0										3	3		
88/ 87								.1	.0	.1	.1					.0					8	8		
86/ 85							.3	.2	.2	.0		.0	.1	.0	.0						21	21		
84/ 83						.0	.3	.4	.3	.2		.1	.0	.0							40	40		
82/ 81					.0	.3	.5	.2	.3	.3	.1	.2	.1		.1						50	50		
80/ 79					.3	.4	.7	.9	.2	.5	.4	.2	.1	.0	.0						89	89		
78/ 77				.3	.7	1.0	.6	.7	.5	.5	.5	.3	.1								125	125		
76/ 75			.1	.6	1.5	1.1	.9	.4	.6	.2	.3	.2	.0								140	140	1	
74/ 73			.7	1.8	1.0	.3	.9	.5	.3	.3	.5	.1	.1								164	164	21	
72/ 71		.1	1.5	2.5	.9	.9	.7	.3	.4	.4	.1	.2									192	192	56	
70/ 69		.1	1.7	2.1	1.4	.5	.7	.5	.5	.5	.1										197	197	108	23
68/ 67		.2	2.5	1.1	1.2	.7	1.1	.7	.7	.2											202	202	184	76
66/ 65	.0	.4	1.7	1.2	1.0	1.0	.3	.6	.4	.2											169	169	203	117
64/ 63	.0	1.1	1.2	1.4	.8	.9	.4	.5	.2	.0											161	161	216	164
62/ 61		.9	.9	1.2	.9	1.0	.5	.2	.1												140	140	206	182
60/ 59	.0	.9	1.0	1.1	.9	1.0	.5	.4													137	137	189	165
58/ 57	.0	.7	1.2	.8	.9	.7	.3	.1	.1												113	113	140	150
56/ 55	.1	.7	1.1	1.2	1.2	.4	.3	.0													120	120	183	154
54/ 53	.1	.2	1.0	.8	.3	.4	.1	.0													74	74	176	151
52/ 51	.1	.5	1.0	.6	.7	.1	.2														81	81	146	127
50/ 49	.0	.5	.8	.5	.5	.2	.1														60	60	147	126
48/ 47		.3	.5	.3	.2	.0															32	32	121	148
46/ 45		.1	.3	.2	.3	.1															24	24	80	122
44/ 43		.3	.2	.2	.2																23	23	53	106
42/ 41		.1	.2	.1	.1																13	13	41	112
40/ 39	.1	.1	.1	.1																	9	9	77	107
38/ 37		.0		.1																	3	3	20	95
36/ 35		.1	.1																		4	4	10	70
34/ 33			.1																		2	2	7	52
32/ 31																								35
30/ 29		.0																			1	1	2	30
28/ 27																							1	21
26/ 25																								17
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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## PSYCHROMETRIC SUMMARY

DALLAS, TX

STATION NAME

73-32

YEARS

APR  
MONTH

PAGE 2  
HOURS (L S T)

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## PSYCHROMETRIC SUMMARY

9301 DALLAS, TX

STATION NAME

73-42

YEARS

     MAY       
MONTH

PAGE 1

**HOURS OF SERVICE**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
93 / 97																		1	1																
96 / 95																		2	2																
94 / 93																		8	8																
92 / 91																		25	25																
89 / 89																		51	51																
88 / 87																		93	83																
86 / 85																		92	92																
84 / 83																		123	123																
82 / 81																		174	174	1															
80 / 79																		176	176	1															
78 / 77																		212	212	24	1														
76 / 75																		216	216	93	3														
74 / 73																		227	227	215	25														
72 / 71																		201	201	301	103														
70 / 69																		173	173	293	232														
68 / 67																		200	200	290	265														
66 / 65																		137	137	267	322														
64 / 63																		108	108	233	271														
62 / 61																		77	77	217	245														
60 / 59																		57	57	142	202														
58 / 57																		47	47	107	194														
56 / 55																		21	21	103	108														
54 / 53																		26	26	69	72														
52 / 51																		28	28	43	85														
50 / 49																		6	6	40	75														
48 / 47																		4	4	24	55														
46 / 45																		3	3	6	87														
44 / 43																		1	1	4	49														
42 / 41																				1	31														
40 / 39																					4														
38 / 37																					3														
36 / 35																					1														
34 / 33																																			
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.													≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total				
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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## PSYCHROMETRIC SUMMARY

DALLAS, TX

STATION NAME

73-22

YEARS

348

MONTU

PAGE 2  
HOURS (1)

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## PSYCHROMETRIC SUMMARY

STATION 97911 DALLAS, TX STATION NAME 73-02 YEARS JUN MONTH  
 PAGE 1  
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																				
110/109																	.0	.1													3	3								
108/107																		.2													1	1								
106/105																	.1	.0													3	3								
104/103																.1	.1														5	5								
102/101															.0	.1	.1														5	5								
100/99														.0	.2	.3	.1	.1												20	20									
98/97												.1	.1	.4	.4	.1	.0													25	25									
96/95										.1	.4	.0	.5	.2																48	48									
94/93									.1	.4	1.4	1.3	.3	.0	.1															89	89									
92/91							.2	.5	2.4	2.0	.3	.2																		141	141									
90/89							.3	2.0	2.2	.7	.5	.2																		152	152									
88/87						.4	1.8	2.2	1.1	.6	.5	.2																		156	166									
86/85					.1	2.1	2.9	1.3	1.1	.5	.2	.1																		200	200									
84/83				.1	1.5	2.6	2.1	.2	.5	.3	.2	.1																		198	198									
82/81			.1	.7	2.5	2.5	1.3	.4	.5	.1	.2																			199	199	1								
80/79			.2	2.3	3.1	2.3	.6	.5	.2	.2																				222	229	25								
78/77		.0	1.2	3.2	2.8	1.0	.7	.4	.0																					228	228	131	1							
76/75	.0	.3	2.2	3.2	2.1	.7	.3	.2	.0	.0																				218	218	394	20							
74/73		.3	1.9	2.6	.7	.5	.3	.1																						155	155	491	95							
72/71		.1	1.6	1.5	.5	.4	.0	.0																						101	101	424	247							
70/69	.1	.6	1.9	.7	.4	.2		.0																						95	95	336	485							
68/67	.1	.3	1.0	.2	.5	.2	.0																							56	56	227	486							
66/65	.1	.3	.5	.4	.1																									34	34	158	344							
64/63	.0	.1	.2	.2	.2																									17	17	104	236							
62/61	.0	.0	.1	.1																										7	7	54	153							
60/59				.1	.1																									4	4	33	113							
58/57			.0																											1	1	13	68							
56/55																																	5	64						
54/53																																	4	35						
52/51																																		24						
50/49																																		19						
48/47																																		9						
46/45																																		2						
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No. Obs.					Mean No. of Hours with Temperature														
Rel. Hum.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

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## PSYCHROMETRIC SUMMARY

12345  
STATIC

DALLAS, TX

STATION NAME

73-82

YEARS

1994

**MONT**

PAGE 2

HOURS (L.S.T.)

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## PSYCHROMETRIC SUMMARY

STATION

DALLAS, TX

STATION NAME

73-82

YEARS

JUL

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																	
110/109																	.0	1	1																		
108/107																	.1	4	4																		
106/105																.2	.2	13	13																		
104/103														.6	.4	.2	.0	31	31																		
102/101												.2	.3	.8	.3	.2		44	44																		
100/99											.1	.3	2.1	.7	.2		.0	85	85																		
98/97										.0	.5	1.5	1.3	.4	.2	.0	.0	99	99																		
96/95								.0		.9	1.0	1.5	.6	.1				123	123																		
94/93								.2	1.0	2.2	2.4	.6		.1				161	161																		
92/91							.1	.7	2.2	3.2	.7	.2	.0					182	182																		
90/89						.0	.5	2.0	3.1	1.0	.3	.1	.0					178	178																		
88/87						.4	1.6	3.0	1.6	.6	.1							187	187																		
86/85			.0		.0	1.2	3.5	2.2	.6	.2	.0							208	208																		
84/83		.0		.1	1.7	2.8	2.3	1.4	.2	.0								211	211																		
82/81			.3	.5	2.2	2.4	1.9	.6	.1		.0							192	192													3		1			
80/79			.5	1.4	3.2	2.4	1.0	.1										225	225													27		1			
78/77		.2	1.5	2.9	2.7	1.5	.1	.0	.0									223	223														210				
76/75		.5	2.3	2.6	1.5	.4	.1											183	183													580		17			
74/73	.2	.8	1.6	1.0	.2	.1												96	96												670		125				
72/71		.4	.5	.1	.0													26	26												553		313				
70/69			.2															6	6												293		473				
68/67			.0															1	1												112		574				
66/65																															23		439				
64/63																															5		288				
62/61																																		134			
60/59																																		56			
58/57																																		27			
56/55																																		13			
54/53																																		2			
52/51																																		1			
50/49																																		2			
48/47																																		1			
46/45																																		1			
44/43																																		1			
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_X$			No. Obs.			Mean No. of Hours with Temperature																					
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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## PSYCHROMETRIC SUMMARY

DALLAS, TX

STATION NAME

73-42

**YEARS**

JUL  
MONTH

PAGE 2

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## PSYCHROMETRIC SUMMARY

STATION NAME

**YEARS**

MONTA

PAGE 1

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1028 2-57-54321

## PSYCHROMETRIC SUMMARY

STATION DALLAS, TX STATION NAME YEARS SEP MONTH

PAGE 1  
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
102/101														.0		.0		2	2		
100/99										.0	.1	.0	.0	.2				10	10		
98/97										.0	.2	.2	.3	.2	.1		.0	26	26		
96/95										.0	.1	.4	.7	.3	.1	.1		44	44		
94/93										.2	.5	1.2	.4	.3	.1	.0		65	65		
92/91									.5	.7	1.2	.8	.3	.1				88	88		
90/89								.4	.5	1.0	1.0	.5	.3	.0	.0			90	90		
88/87						.7	.9	1.1	1.2	.5	.7	.2	.1					114	114		
86/85					.2	.6	1.2	1.3	1.2	.6	.4	.2	.0					146	146		
84/83					1.0	1.6	1.3	1.0	.7	.4	.1	.1	.1					153	153		
82/81			.0	.3	1.1	2.2	1.4	.9	.8	.2	.2	.2	.0					176	176	2	
80/79		.0	.3	1.2	1.5	1.5	1.1	.9	.2	.2	.1	.3						177	177	9	
78/77		.1	1.2	2.1	2.2	1.4	.9	.5	.3	.2	.3							222	222	53	
76/75		.2	1.5	1.8	1.9	1.4	.7	.2	.1	.5	.1							202	202	174	7
74/73	.1	.7	2.0	2.2	1.2	1.2	.7	.4	.3	.2								214	214	323	67
72/71	.3	.9	1.5	1.2	.9	.6	.4	.4	.2	.1								154	154	390	149
70/69	.4	1.0	.9	1.0	.7	.4	.4	.4	.2									129	129	332	297
68/67	.2	.2	1.0	.5	.6	.5	.5	.1										88	88	266	303
66/65	.3	.2	.6	.7	.3	.5	.2											66	66	201	279
64/63	.1	.4	.6	.8	.3	.5	.1											65	65	148	222
62/61	.0	.5	.3	.5	.2	.1												41	41	96	201
60/59	.1	1.0	.3	.2	.4	.2												50	50	115	172
58/57	.3	.3	.3	.1	.1	.0												31	31	121	171
56/55	.0	.2	.1	.2	.2													19	19	64	134
54/53	.1	.1	.1	.1														10	10	50	79
52/51	.1	.2	.2	.1														12	12	20	79
50/49		.0	.1	.0														4	4	16	47
48/47	.0	.0																2	2	13	57
46/45																				3	42
44/43																				1	41
42/41																					31
40/39																					17
38/37																					6
Element (X)	Σx <sup>2</sup>			Σx			$\bar{x}$	σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature							Total
Rel. Hum.														≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F		
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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## PSYCHROMETRIC SUMMARY

33021  
STATION

DALLAS, TX

STATION NAME

73-02

YEARS

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**MONTH**

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HOURS (L S Y )

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## PSYCHROMETRIC SUMMARY

DALLAS, TX

STATION NAME

73-82

YEARS

OCT  
MONTH

PAGE 1  
HOURS (L S T)

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

47931  
STATION

DALLAS, TX

STATION NAME

73-42

**YEARS**

007

PAGE 2  
HOURS 11

[illegible]

## PSYCHROMETRIC SUMMARY

DALLAS, TX

STATION NAME

73-22

YEARS

NOV  
MONT

PAGE 1  
HOURS 1 5 7

NAVWEASERVCOM



## PSYCHROMETRIC SUMMARY

STATION

**A. A. S.**

STATION NAME

72-32

**YEARS**

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MONTI

PAGE 2

HOURS 45.5 Y

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## PSYCHROMETRIC SUMMARY

STATION NAME DALLAS, TX YEARS 13-92 MONTH DEC

PAGE 1  
HOURS 11.5

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
85 / 87																			1	1																	
85 / 85																			1	1																	
84 / 83																			2	2																	
82 / 81																			1	1																	
80 / 79																			5	5																	
78 / 77																			7	7																	
76 / 75																			12	12																	
74 / 72																			22	22																	
72 / 71																			29	29																	
70 / 69																			43	43	2	1															
68 / 67																			41	41	12																
66 / 65																			85	85	11	4															
64 / 63																			78	78	31	12															
62 / 61																			97	97	68	22															
60 / 59																			100	100	58	49															
58 / 57																			96	96	77	52															
56 / 55																			126	126	68	59															
54 / 53																			113	113	79	62															
52 / 51																			142	142	102	55															
50 / 49																			141	141	122	51															
48 / 47																			168	168	135	57															
46 / 45																			167	167	166	50															
44 / 43																			191	191	179	79															
42 / 41																			148	148	196	106															
40 / 39																			153	153	233	136															
38 / 37																			112	112	156	133															
36 / 35																			117	117	195	148															
34 / 33																			77	77	147	174															
32 / 31																			55	55	109	185															
30 / 29																			59	59	84	182															
28 / 27																			34	34	80	152															
26 / 25																			19	19	46	133															
24 / 23																			21	21	43	107															
22 / 21																			8	8	20	93															
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature																					
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

NAVWEASERVCOM

1955 200 5.13.57

## PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
2001	DALLAS, T.	77-82	DEC

PAGE 2  
HOURS (L S T)

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

STATION	DALLAS, TX	STATION NAME	73-92	YEARS	ALL MONTH
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CASE 1  
HOURS 11.5

[illegible]

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## PSYCHROMETRIC SUMMARY

DALLAS, TX

STATION NAME

73-42

**YEARS**

ALL  
MONTH

PAGE 2

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION 7301 DALLAS, TX

73-82

STATION		STATION NAME											YEARS	
MRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
10	MEAN	39.8	45.0	55.2	62.2	69.6	77.2	81.7	80.7	73.9	63.7	53.4	45.5	62.4
	S. D.	11.348	11.673	9.832	7.845	6.766	5.140	4.145	4.032	7.331	9.134	10.330	10.182	16.372
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
11	MEAN	38.0	42.7	52.6	59.7	67.1	74.4	78.7	77.8	71.3	61.4	51.2	43.7	59.9
	S. D.	11.423	11.563	10.118	8.270	6.906	4.812	3.401	3.598	7.328	9.367	10.623	10.321	16.182
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
12	MEAN	36.5	41.0	51.0	58.0	65.8	73.0	76.8	75.6	69.5	59.5	49.7	41.7	58.3
	S. D.	11.727	11.397	10.522	8.872	7.147	4.625	2.648	3.323	7.170	9.568	10.806	10.698	16.160
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	38.6	44.3	55.4	64.4	72.9	80.7	85.4	87.4	76.3	66.2	53.9	44.7	64.7
	S. D.	11.528	11.503	10.036	7.937	6.393	5.034	4.288	4.080	7.239	8.545	10.165	10.006	17.771
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
14	MEAN	46.5	52.8	63.1	71.1	78.7	87.0	92.6	90.9	83.7	74.6	62.1	53.6	71.5
	S. D.	13.299	14.732	11.106	8.766	7.308	5.844	5.457	5.207	8.450	9.679	11.482	11.188	17.925
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	50.4	56.8	66.8	73.9	81.4	89.9	94.7	93.7	86.3	77.4	65.1	57.5	74.6
	S. D.	14.532	14.916	11.410	8.670	7.655	6.425	6.514	5.345	8.784	9.938	12.006	11.920	17.802
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	46.5	53.6	64.5	71.8	79.2	87.8	91.9	90.7	82.6	72.4	59.8	52.1	71.2
	S. D.	12.717	13.457	10.509	7.913	6.982	6.006	6.739	5.585	8.360	8.976	10.401	9.941	17.722
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
17	MEAN	42.8	48.3	58.7	65.8	72.9	81.0	85.2	84.2	76.7	66.7	55.6	48.0	65.6
	S. D.	11.598	11.793	9.531	7.475	6.588	5.281	5.005	4.280	7.470	8.559	10.199	9.951	16.585
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	42.3	48.1	58.4	65.9	73.5	81.4	85.9	84.6	77.5	67.7	56.4	48.3	65.9
	S. D.	13.146	13.697	11.737	9.893	8.851	8.030	7.948	7.618	9.627	11.018	11.896	11.742	17.950
	TOTAL OBS	2440	2254	2480	2400	2479	2400	2479	2480	2400	2480	2400	2478	29212

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION 17011 DALLAS, TX

73-82

STATION		STATION NAME												YEARS											
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
10	MEAN	36.7	47.3	49.3	55.9	64.0	69.5	71.9	71.0	66.2	57.1	49.4	40.6	55.9											
	S. D.	17.779	10.435	9.625	8.034	6.413	4.094	2.147	2.776	6.278	8.809	10.346	9.907	14.676											
	TOTAL OBS	310	282	310	310	310	300	309	310	300	310	300	310	3651											
27	MEAN	34.7	39.1	47.9	54.6	62.5	68.6	70.9	70.1	65.3	55.9	47.1	39.2	54.7											
	S. D.	11.037	10.764	10.074	8.449	6.723	4.411	2.142	2.965	6.582	9.333	10.673	10.261	14.977											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
10	MEAN	33.5	37.8	47.0	53.7	62.0	68.4	70.5	69.6	64.6	55.0	46.1	38.3	53.9											
	S. D.	11.329	10.770	10.542	8.948	7.003	4.257	2.151	3.035	6.889	9.675	11.001	10.554	15.332											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
27	MEAN	35.4	40.1	49.7	57.2	65.7	71.4	73.9	73.0	68.0	58.8	49.0	40.4	57.7											
	S. D.	11.212	10.666	9.662	7.995	6.218	3.890	2.040	2.572	6.126	8.535	10.274	9.891	15.453											
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651											
10	MEAN	39.9	44.6	53.0	60.0	67.7	73.1	75.2	74.4	70.1	61.7	52.6	45.0	59.8											
	S. D.	11.179	10.833	9.108	7.757	6.209	3.839	2.117	2.564	6.083	8.226	10.151	9.647	14.405											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
10	MEAN	41.7	46.4	54.4	61.1	68.4	73.6	75.1	74.3	70.1	62.3	53.6	46.6	60.7											
	S. D.	11.170	10.483	8.781	7.449	6.082	3.769	2.158	2.524	5.640	7.792	9.999	9.316	13.760											
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	310	3652											
10	MEAN	39.7	44.7	53.4	60.2	67.6	72.8	74.4	73.4	68.8	60.6	51.3	44.1	59.3											
	S. D.	10.670	10.119	8.719	7.322	5.930	3.700	2.265	2.632	5.682	7.985	9.822	9.096	14.064											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651											
27	MEAN	37.7	42.4	51.2	57.9	65.5	71.0	72.9	72.1	67.1	58.5	49.5	42.0	57.4											
	S. D.	10.616	10.040	9.950	7.604	6.165	3.778	2.260	2.621	5.921	8.179	10.016	9.429	14.313											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651											
ALL HOURS	MEAN	37.3	41.9	50.7	57.6	65.4	71.1	73.1	72.2	67.5	58.8	49.7	42.0	57.3											
	S. D.	11.305	10.891	9.770	8.354	6.736	4.404	2.766	3.224	6.456	8.935	10.561	10.146	14.809											
	TOTAL OBS	2450	2256	2480	2400	2479	2400	2479	2480	2400	2480	2400	2478	29212											

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

774 1 DALLAS, TX

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN	29.7	34.3	43.2	50.6	60.4	65.5	67.2	66.1	61.7	51.7	47.0	33.4	50.7	
	S. D.	13.237	11.864	12.248	10.331	7.350	4.860	3.392	4.149	7.598	10.881	12.930	12.765	16.427	
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651	
01	MEAN	29.1	34.0	42.8	50.2	59.6	65.6	67.0	66.1	61.7	51.5	42.5	33.2	50.3	
	S. D.	13.346	12.318	12.375	10.364	7.557	5.048	3.220	4.174	7.646	11.210	13.009	12.988	16.649	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
04	MEAN	29.4	33.1	42.6	40.9	59.6	66.0	67.3	66.5	61.6	51.1	42.0	32.9	50.2	
	S. D.	13.505	12.272	12.565	10.543	7.733	4.726	3.191	4.002	7.839	11.335	13.116	12.929	16.966	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
07	MEAN	29.9	34.4	43.4	51.3	61.3	66.3	68.7	68.1	63.4	53.1	43.8	34.4	51.7	
	S. D.	13.675	12.491	11.917	10.862	7.853	4.875	3.286	3.626	7.478	11.022	12.827	12.618	16.893	
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651	
10	MEAN	30.6	35.2	43.4	51.4	61.3	66.5	67.5	66.9	62.8	52.2	43.3	34.6	51.4	
	S. D.	13.566	12.376	12.339	11.319	8.316	5.271	3.871	4.287	8.254	11.947	13.746	13.106	16.776	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
13	MEAN	30.3	34.9	42.8	51.6	61.2	65.9	66.1	65.3	61.5	51.3	42.6	33.4	50.7	
	S. D.	13.585	11.956	12.492	11.432	8.372	5.476	4.576	4.687	8.103	11.917	14.020	13.112	16.638	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
16	MEAN	30.0	34.4	42.6	51.1	60.8	65.5	66.2	65.1	61.0	51.6	42.7	33.4	50.5	
	S. D.	13.546	11.951	13.061	11.575	8.339	5.532	4.159	4.771	8.035	11.575	13.514	13.158	16.604	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
21	MEAN	30.4	35.1	43.6	51.5	61.0	66.0	67.1	66.2	61.6	52.2	43.2	34.1	51.1	
	S. D.	13.078	11.639	12.101	10.684	7.520	4.753	3.633	4.081	7.461	10.616	12.824	12.544	16.248	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	29.8	34.4	43.1	50.9	60.7	66.0	67.1	66.3	61.9	51.8	42.9	33.4	50.4	
	S. D.	13.442	12.109	12.382	10.899	7.905	5.088	3.767	4.322	7.830	11.321	13.246	12.897	16.657	
	TOTAL OBS	2430	2256	2480	2400	2479	2400	2479	2480	2400	2480	2400	2478	29212	

NAVWEASERVCOM



4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

91901 DALLAS, TX

73-82

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00	100.0	100.0	99.0	94.5	84.8	67.1	50.0	25.4	5.7	69.0	310
	03	100.0	100.0	99.7	96.8	88.7	75.5	58.4	35.5	11.3	72.1	310
	06	100.0	100.0	99.4	97.4	90.6	79.0	59.4	38.7	15.2	73.9	310
	09	100.0	100.0	100.0	97.4	89.7	73.5	55.2	39.4	17.4	72.8	310
	12	100.0	100.0	91.3	76.5	53.9	40.6	29.0	20.0	5.2	57.6	310
	15	100.0	96.1	80.0	58.7	44.2	33.2	23.7	17.1	5.2	50.9	310
	18	100.0	98.7	89.0	71.0	57.4	41.3	26.1	14.7	5.5	56.6	310
	21	100.0	99.7	98.7	91.0	77.4	58.7	38.7	24.8	6.8	64.8	310
TOTALS		100.0	99.3	94.6	85.4	73.7	58.6	42.5	27.8	9.4	64.7	2400

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION DALLAS, TX

77-07

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
01	01	100.0	100.0	99.3	96.8	85.1	68.1	46.5	20.6	6.4	67.9	242
	02	100.0	100.0	99.6	97.9	92.9	80.1	59.9	33.0	8.2	72.6	242
	03	100.0	100.0	99.6	98.2	93.6	81.6	66.7	41.5	9.6	74.9	242
	04	100.0	100.0	98.9	95.7	85.1	69.1	55.3	29.4	12.1	70.4	242
	05	100.0	97.9	88.7	72.3	56.4	38.3	22.3	15.2	5.7	55.2	242
	06	100.0	92.9	77.3	59.9	42.6	26.0	19.5	10.3	3.5	48.7	242
	07	100.0	94.0	84.4	71.3	52.5	30.5	20.9	10.3	2.8	52.3	242
	08	100.0	100.0	97.2	89.7	77.7	53.2	34.4	17.0	3.5	62.6	242
	09											
	10											
	11											
	12											
TOTALS		100.0	94.1	93.1	5.2	77.2	56.1	40.7	22.2	6.5	63.1	2256

OCEANAV-SMOS

**4**

4 3 2

MONTH

## 1

**OCEANAV-SMOS**

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

91901 DALLAS, TX

73-87

1PR

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00	100.0	100.0	99.7	97.3	86.7	67.7	46.3	20.0	3.0	67.3	300
	03	100.7	100.0	100.0	99.3	93.3	70.7	58.3	29.3	4.0	72.0	300
	06	100.0	100.0	100.0	99.7	95.7	86.0	71.3	38.0	5.3	75.5	300
	09	100.0	99.7	98.3	91.7	76.7	64.3	42.7	18.0	2.3	64.6	300
	12	100.0	98.3	87.7	70.3	53.7	35.0	18.7	6.3	1.0	52.8	300
	15	100.0	75.7	62.3	63.7	45.3	25.7	13.3	4.3	1.3	48.8	300
	18	99.7	97.0	86.7	67.7	49.7	31.0	18.0	6.0	2.0	51.3	300
	21	100.0	99.7	97.0	89.0	74.3	53.3	35.3	14.3	1.7	62.3	300
TOTALS		100.0	98.3	94.0	84.3	71.9	55.3	37.9	17.0	2.6	61.8	2400

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

93901

DALLAS, TX

73-72

-AY

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00	100.0	100.0	100.0	100.0	98.1	89.7	63.2	27.1	1.9	73.3	310
	01	100.0	100.0	100.0	100.0	99.2	95.2	81.7	40.3	2.6	77.5	310
	02	100.0	100.0	100.0	100.0	99.7	97.1	88.7	59.4	9.7	81.0	310
	03	100.0	100.0	99.7	98.4	90.6	75.4	43.0	12.9	1.9	67.9	309
	04	100.0	99.7	97.4	88.7	70.0	35.2	15.8	5.2	.6	56.8	310
	05	100.0	99.7	94.5	81.0	48.1	25.8	11.6	4.5	1.0	52.1	310
	06	100.0	99.7	95.5	85.5	63.5	32.9	14.5	5.5	1.9	55.3	310
	07	100.0	100.0	100.0	98.7	92.9	73.5	37.4	14.5	1.3	67.3	310
	08											
	09											
	10											
	11											
	12											
TOTALS		100.0	99.9	98.4	84.0	52.7	35.7	21.2	11.2	2.6	66.4	2479

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

1991 DALLAS, TX

73-12

JUN

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00	100.0	100.0	100.0	100.0	95.7	76.0	40.7	12.7	1.7	68.0	300
	03	100.0	100.0	100.0	100.0	100.0	93.0	69.0	25.7	1.7	74.5	300
	06	100.0	100.0	100.0	100.0	100.0	99.3	88.0	44.3	5.0	79.1	300
	09	100.0	100.0	100.0	99.0	88.3	65.0	23.0	7.0	.7	63.6	300
	12	100.0	100.0	99.0	83.7	52.0	20.0	6.7	2.0	.3	51.6	300
	15	100.0	99.7	95.0	67.7	31.0	11.3	4.3	2.3	.3	46.7	300
	18	100.0	99.7	95.7	75.7	38.3	16.0	7.7	1.3	.3	49.2	300
	21	100.0	100.0	100.0	98.3	82.0	49.3	20.7	6.7	.3	61.3	300
TOTALS		100.0	99.9	98.7	90.6	73.5	53.7	32.5	12.8	1.3	61.8	2400

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

71501 DALLAS, TX

73-82

JUL

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00	100.0	100.0	100.0	98.7	91.2	51.2	23.9	10.4	1.6	62.6	309
	01	100.0	100.0	100.0	100.0	96.1	70.3	45.2	13.9	1.6	68.2	310
	02	100.0	100.0	100.0	100.0	98.7	89.7	60.0	27.7	2.6	73.2	310
	03	100.0	100.0	99.7	96.5	75.8	41.0	15.2	4.5	.6	88.6	310
	04	100.0	99.7	92.9	62.6	28.7	9.0	2.9	1.9	.6	45.2	310
	05	100.0	99.0	78.4	45.2	19.4	7.7	5.2	1.9	1.3	41.2	310
	06	100.0	99.7	89.0	54.2	23.9	13.9	9.0	4.5	.6	45.0	310
	07	100.0	100.0	100.0	92.6	58.4	35.2	14.9	6.5	1.3	56.2	310
	08											
	09											
	10											
	11											
	12											
TOTALS		100.0	99.8	95.0	81.2	60.2	39.8	22.0	8.9	1.3	56.3	2479

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

1971 DALLAS, TX

13-27

Aug

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00	100.0	100.0	100.0	76.6	83.7	55.5	23.2	6.1	1.3	62.1	310
	01	100.0	100.0	100.0	69.4	93.5	75.6	47.4	11.6	.3	66.2	310
	06	100.0	100.0	100.0	100.0	57.4	89.4	69.0	24.5	1.6	73.9	310
	07	100.0	100.0	100.0	76.8	86.0	51.3	15.2	4.5	1.9	60.9	310
	10	100.0	100.0	94.3	67.4	29.0	10.3	4.8	2.3	.6	46.7	310
	15	100.0	79.4	84.8	43.5	12.2	6.8	2.6	1.0	.6	40.7	310
	18	100.0	99.7	91.7	56.8	23.7	12.6	4.5	1.3	.3	44.4	310
	21	100.0	100.0	79.4	92.3	66.4	31.9	9.4	2.6	.7	55.8	310
TOTALS		100.0	79.9	96.3	81.6	61.7	41.7	22.7	6.7	.9	56.6	2490

OCEANAV-SMOS



4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION 40001 DALLAS, TX

73-72

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
70	1	100.0	100.0	100.0	98.3	98.7	64.0	43.7	20.0	5.0	67.4	300
	2	100.0	100.0	100.0	100.0	95.7	79.7	57.0	29.3	9.7	72.8	300
	3	100.0	100.0	100.0	100.0	100.0	97.3	69.7	36.7	15.3	76.2	300
	4	100.0	100.0	100.0	98.7	85.7	62.7	34.3	16.7	4.3	65.7	300
	5	100.0	100.0	95.7	73.7	46.3	24.3	13.7	8.7	2.3	51.6	300
	6	100.0	99.7	64.3	53.7	31.3	18.3	10.7	5.3	1.3	46.1	300
	7	100.0	100.0	92.3	70.3	40.7	26.3	13.3	7.0	3.3	50.5	300
	8	100.0	100.0	100.0	94.3	73.7	45.3	25.0	13.7	3.7	61.4	300
TOTALS		100.0	100.0	96.5	86.1	70.0	51.4	33.1	17.4	5.6	61.6	2400

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION NAME: FALLS, TN PERIOD: 73-81 MONTH: 007

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
01	00	100.0	100.0	99.7	94.5	84.8	67.5	43.2	25.2	9.2	66.8	310
	01	100.0	100.0	100.0	98.4	89.7	76.5	61.3	29.4	11.0	71.5	310
	02	100.0	100.0	100.0	99.4	94.2	84.2	64.9	32.9	14.9	75.0	310
	03	100.0	100.0	99.4	93.2	77.7	57.1	36.1	17.7	6.5	64.7	310
	04	100.0	96.1	82.6	62.6	41.0	25.0	13.9	7.7	2.6	42.9	310
	05	100.0	92.3	74.2	48.4	31.6	17.4	11.0	5.5	1.0	43.0	310
	06	100.0	98.7	87.1	67.4	44.7	20.0	17.7	7.7	1.3	51.1	310
	07	100.0	100.0	99.4	90.0	72.0	50.3	32.9	15.5	2.6	51.8	310
TOTALS		100.0	98.4	92.6	61.5	57.1	50.5	33.0	17.7	5.7	60.5	2430

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION DALLAS, TX

73-82

NOV

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
N01	01	100.0	100.0	99.7	96.7	85.0	70.3	51.7	24.0	8.3	69.3	300
	02	100.0	100.0	99.3	97.3	92.0	78.7	64.0	33.7	13.3	73.6	300
	03	100.0	100.0	99.7	98.3	94.7	83.7	70.3	40.0	16.0	76.1	300
	04	100.0	99.7	98.3	97.0	88.0	71.0	52.3	29.7	8.7	70.4	300
	12	100.0	99.0	90.3	67.7	49.0	36.3	24.0	11.0	3.0	53.5	300
	15	100.0	96.3	77.7	53.7	40.0	25.3	16.0	6.7	2.3	47.8	300
	18	100.0	99.3	92.7	74.0	58.7	40.0	23.7	11.0	4.0	56.1	300
	21	100.0	100.0	99.7	93.3	78.0	60.7	36.3	19.0	4.7	65.0	300
TOTALS		100.0	99.3	94.7	84.8	73.7	54.3	42.5	21.8	7.5	64.0	2400

OCEANAV-SMOS

4

## 12

ORC

**MONITOR**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00	100.0	100.0	98.4	93.2	79.7	62.6	43.2	19.0	5.5	65.7	310
	03	100.0	99.7	98.7	95.5	86.8	70.3	51.3	29.0	9.1	69.5	310
	06	100.0	100.0	99.0	97.1	91.3	77.7	58.4	29.0	10.0	71.9	310
	09	100.0	100.0	98.4	95.8	83.2	68.1	50.0	26.1	8.1	68.9	310
	12	100.0	97.4	85.5	69.4	50.6	30.6	19.0	8.7	1.6	51.9	310
	15	100.0	91.9	70.3	54.5	34.2	22.3	14.2	7.4	1.6	45.2	310
	18	100.0	96.8	89.0	71.8	49.9	33.0	19.7	9.4	2.6	53.0	309
	21	100.0	99.4	96.8	89.6	69.3	50.8	30.1	13.6	2.6	61.0	309
TOTALS		100.0	98.2	92.0	83.4	68.1	51.9	35.7	17.8	5.0	60.9	2478

**OCEANAV-SMOS**

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION DALLAS, TX

73-92

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.3	94.6	85.4	73.3	58.6	42.5	27.8	9.4	64.7	2490
FEB		100.0	98.1	93.1	85.2	73.2	56.1	40.7	22.2	6.5	63.1	2256
MAR		100.0	97.7	90.9	81.5	67.9	52.3	35.9	19.6	5.8	60.8	2490
APR		100.0	98.8	94.0	84.8	71.9	55.3	37.9	17.0	2.6	61.8	2400
MAY		100.0	99.9	98.4	94.0	82.7	65.7	44.4	21.2	2.6	66.4	2479
JUN		100.0	97.9	98.7	90.6	73.4	53.7	32.5	12.9	1.3	61.8	2400
JUL		100.0	99.8	95.0	81.2	60.2	39.8	22.0	8.9	1.3	56.3	2479
AUG		100.0	99.9	96.3	81.6	61.9	41.7	22.0	6.7	.9	56.6	2490
SEP		100.0	100.0	96.5	86.1	70.2	51.4	33.1	17.4	5.6	61.6	2470
OCT		100.0	98.4	92.8	81.8	67.1	50.5	33.9	17.7	5.7	60.5	2480
NOV		100.0	99.3	94.7	84.8	73.7	58.3	42.5	21.8	7.5	64.0	2400
DEC		100.0	98.2	92.0	83.4	68.1	51.9	35.7	17.8	5.0	60.9	2478
TOTALS		100.0	99.1	94.8	85.0	70.7	52.9	35.3	17.6	4.5	61.5	29212

OCEANAV-SMOS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

CALLAS, TX

JANUARY 1973-DECEMBER 1982

JANUARY

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CAIM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					77.8	22.2				7	.4
72 TO 76	5.0				60.0	15.0	10.0	5.0	5.0	27	.8
67 TO 71		1.4	4.1	5.5	57.5	16.4	6.8	2.7	5.5	73	2.9
62 TO 66	7.4	3.3	1.6	6.6	41.8	15.6	8.2	5.7	9.8	122	4.9
57 TO 61	8.4	3.9	1.1	9.5	41.3	17.3	6.1	3.4	8.9	179	7.2
52 TO 56	13.2	5.9	3.7	7.3	35.2	11.0	3.7	8.7	11.4	219	8.8
47 TO 51	20.6	6.4	1.9	8.6	25.8	8.6	5.6	12.0	10.5	267	10.8
42 TO 46	23.0	6.2	3.8	8.6	22.1	6.8	4.4	9.7	15.3	339	13.7
37 TO 41	20.7	6.5	10.1	7.3	14.6	8.1	5.3	11.6	15.9	397	16.0
32 TO 36	27.0	16.8	7.5	5.7	7.8	6.3	.9	11.4	16.5	333	13.4
27 TO 31	39.5	10.3	9.1	4.7	6.7	5.1	1.2	11.9	11.5	253	10.2
22 TO 26	54.2	3.9	2.0		10.5	3.9	1.3	15.7	8.5	153	6.2
17 TO 21	57.5	8.8	1.3	1.3	5.0	2.5	2.5	12.5	8.8	80	3.2
12 TO 16	27.6	3.4		3.4		17.2		41.4	6.9	29	1.2
7 TO 11	56.7							16.7	16.7	6	.2
2 TO 6					100.0					1	.0
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	24.2	7.5	5.0	6.4	21.3	8.7	3.9	10.5	12.4	2480	100.0

NAVWEASERVCOM

1000-4432-54321

H

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

## WIND DIRECTION

17911

DALLAS, TX

JANUARY 1973-DECEMBER 1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

HOUR

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						100.0				7	.1
82 TO 86					14.3	14.3	71.4			7	.3
77 TO 81			5.4	2.7	45.9	29.7	8.1	2.7	5.4	37	1.6
72 TO 76	1.4		1.4	4.2	55.6	19.4	6.9	5.6	5.6	72	3.2
67 TO 71	1.7		.9	4.3	63.8	15.5	7.6	4.3	1.7	116	5.1
62 TO 66	7.3	2.4	3.9	7.3	53.6	11.2	6.1	5.7	2.8	179	7.9
57 TO 61	10.8	5.4	1.3	8.1	45.3	9.4	6.3	5.4	8.1	223	9.9
52 TO 56	14.3	2.5	5.3	8.2	34.4	11.5	6.1	10.2	7.4	244	10.8
47 TO 51	16.6	4.9	7.6	10.5	21.3	10.1	6.5	14.1	9.4	277	12.3
42 TO 46	22.7	6.5	6.9	12.0	15.8	7.2	3.1	17.5	8.2	291	12.9
37 TO 41	23.8	9.6	4.2	7.7	17.4	7.1	2.9	15.4	11.9	311	13.8
32 TO 36	31.5	10.6	5.1	7.5	10.6	8.3	3.1	12.2	11.7	254	11.3
27 TO 31	42.4	5.6	7.6	4.2	3.5	12.5	1.4	13.2	9.7	144	6.4
22 TO 26	46.7	10.7	1.3	5.3	1.3	2.7	1.3	17.3	13.3	75	3.3
17 TO 21	71.4					7.1		7.1	14.3	14	.6
12 TO 16	44.4							33.3	22.2	9	.4
7 TO 11									100.0	1	.0
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 TO -55											
TOTALS	27.0	5.6	4.7	7.8	26.8	10.1	4.8	11.6	8.6	2256	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

4721  
STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MARCH

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					100.0					0	.1
87 TO 91					75.0		25.0			4	.2
82 TO 86	8.0			4.0	60.0	12.0	12.0	4.0		25	1.3
77 TO 81	3.6	.9	2.7	4.5	56.8	15.3	11.7	2.7	1.8	111	4.5
72 TO 76	5.6	.5	2.6	8.2	57.1	12.8	7.7	4.1	1.5	196	7.9
67 TO 71	5.2	1.0	4.2	13.9	53.5	10.0	5.5	5.2	1.6	317	12.5
62 TO 66	7.6	4.2	7.9	14.7	43.7	8.1	4.2	5.0	4.7	382	15.4
57 TO 61	15.9	5.8	7.9	14.6	29.4	8.7	5.3	6.3	6.1	378	15.2
52 TO 56	18.8	6.7	7.7	14.4	21.4	9.3	4.9	15.1	6.7	388	15.6
47 TO 51	22.9	8.1	10.6	10.6	11.6	8.5	3.9	13.4	10.6	284	11.5
42 TO 46	31.3	13.5	13.5	1.6	5.2	7.3	4.2	9.9	13.5	192	7.7
37 TO 41	32.5	9.1	7.3	2.4	8.1	8.9	1.6	14.6	16.3	123	5.0
32 TO 36	46.3	1.9			7.4	7.4	1.9	16.7	18.5	54	2.2
27 TO 31	57.1	9.5			9.5		4.8	9.5	9.5	21	.8
22 TO 26	100.0									8	.3
17 TO 21	100.0									2	.1
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 5											
0 TO 4											
13 TO 17											
18 TO 22											
23 TO 27											
28 TO 32											
33 TO 37											
38 TO 42											
43 TO 47											
48 TO 52											
53 TO 57											
58 TO 62											
63 TO 67											
68 TO 72											
73 TO 77											
78 TO 82											
83 TO 87											
88 TO 92											
93 TO 97											
98 TO 102											
103 TO 107											
108 TO 112											
113 TO 117											
118 TO 122											
TOTALS	16.4	5.3	7.1	10.8	31.5	9.2	5.1	7.9	6.7	2480	100.0

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

APRIL

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
112 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					100.0					1	.0
87 TO 91	7.7		7.7	7.7	46.2	15.4		15.4		13	.5
82 TO 86	2.4	1.2	3.6	8.3	65.5	7.1	7.1	4.8		84	3.5
77 TO 81	3.3	1.7	.8	14.1	57.3	8.7	5.0	5.0	4.1	241	10.0
72 TO 76	7.0	2.5	2.3	18.5	53.9	7.8	2.3	3.3	2.5	399	16.6
67 TO 71	7.5	3.4	7.3	15.7	46.6	5.8	2.6	6.3	4.8	496	20.7
62 TO 66	16.5	7.6	9.4	18.3	27.2	6.6	.8	6.6	6.9	393	16.4
57 TO 61	18.3	10.7	7.6	12.2	19.6	8.3	2.4	8.0	12.8	327	13.6
52 TO 56	19.5	8.2	13.0	8.2	11.3	8.2	3.5	11.3	16.9	231	9.6
47 TO 51	19.1	2.9	10.3	5.9	5.1	14.0	8.1	20.6	14.0	136	5.7
42 TO 46	23.6	10.9		9.1	7.3	9.1	7.3	23.6	9.1	55	2.3
37 TO 41	17.6					17.6	5.9	47.1	11.8	17	.7
32 TO 36	16.7				16.7		33.3	33.3		4	.3
27 TO 31								100.0		1	.0
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.0	5.3	6.5	14.1	35.6	7.8	3.2	8.3	7.4	240	100.0

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MAY

MONTH

WIND DIRECTION

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				100.0							
92 TO 96	4.0		4.0	14.3	71.4	4.0				21	0.9
87 TO 91	1.4	1.4	3.4	17.6	64.9	6.8	2.0	2.0	0.7	148	6.0
82 TO 86	3.9	3.3	4.9	16.3	56.2	4.9	3.6	2.3	4.6	306	12.3
77 TO 81	6.0	4.2	5.9	21.4	48.0	3.8	1.9	2.5	4.5	471	19.0
72 TO 76	7.7	4.2	7.7	16.6	47.9	5.9	2.2	2.6	5.2	543	21.9
67 TO 71	11.0	8.2	8.2	14.8	28.7	7.6	2.1	6.3	12.2	474	19.0
62 TO 66	16.5	6.3	8.8	12.3	16.5	8.1	3.2	11.2	17.2	285	11.5
57 TO 61	28.4	7.8	7.1	5.7	8.5	7.1	1.4	17.7	16.3	141	5.7
52 TO 56	31.7	8.3	3.3		3.3	10.0	17.0	20.0	13.3	67	2.4
47 TO 51	8.0	4.0			8.0	12.0	16.0	28.0	24.0	25	1.0
42 TO 46	23.0								75.0	4	0.2
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 A LWR											
TOTALS	10.2	5.2	6.7	15.5	39.2	6.2	2.7	5.7	8.5	2479	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION 1

DALLAS, TX

JANUARY 1973-DECEMBER 1982

JUNE

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111					50.0	50.0				4	.2
102 TO 106					58.3	16.7	16.7		8.3	17	.5
97 TO 101	4.3		2.2	15.2	58.7	8.7	8.7		2.2	46	1.9
92 TO 96	1.0	1.0	.5	7.6	77.6	8.1	2.9	1.0	.5	210	6.8
87 TO 91	2.8	2.1	6.5	11.1	66.1	6.7	1.0	1.0	2.6	386	16.1
82 TO 86	4.5	5.1	7.3	15.5	54.6	9.0	.4	1.4	2.2	491	20.5
77 TO 81	6.0	4.3	7.8	14.0	52.0	8.7	.7	1.4	5.0	563	23.5
72 TO 76	7.8	8.5	10.6	17.5	32.8	9.4	1.4	2.8	9.2	424	17.7
67 TO 71	17.9	7.0	12.4	11.4	17.4	8.5	3.0	6.0	16.4	201	8.4
62 TO 66	22.2	7.4	1.9	9.3	7.4	13.0	5.6	5.6	27.8	54	2.3
57 TO 61	55.6					22.2			22.2	9	.4
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-21 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.5	4.7	7.4	13.5	49.7	8.8	1.5	2.0	5.9	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111			40.0		20.0		20.0		20.0	5	.2
102 TO 106			11.3	17.7	54.8	6.5	3.2		6.5	62	2.5
97 TO 101	2.4	3.8	7.1	23.3	50.5	5.7	1.0	1.0	5.2	210	8.5
92 TO 96	2.1	3.4	7.3	17.1	53.3	8.7	2.6	1.8	3.7	381	15.4
87 TO 91	3.1	3.6	7.3	21.1	42.7	11.1	4.4	2.4	4.2	457	18.2
82 TO 86	2.3	2.3	6.8	16.0	50.6	14.8	1.0	.6	5.6	514	20.7
77 TO 81	3.1	3.1	7.0	9.7	43.1	19.3	.9	1.7	12.1	545	22.0
72 TO 76	4.3	4.7	6.7	13.4	25.1	22.7	1.7	2.3	19.1	299	12.1
67 TO 71	7.7	7.7	7.7			53.8			23.1	13	.5
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-6 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	2.8	3.3	7.2	15.9	44.6	14.3	2.0	1.6	8.2	2470	100.0

NAVWEASERVCOM

1000 4432 54321

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

AUGUST

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106	7.7		15.4	30.8	38.5				7.7	13	.5
97 TO 101			7.7	19.6	58.7	6.3	4.2		3.5	143	5.8
92 TO 96	1.5	3.3	7.6	21.8	54.4	6.1	.5	.5	4.3	395	15.9
87 TO 91	6.1	4.7	10.7	25.0	36.4	8.9	1.4	1.2	5.6	428	17.3
82 TO 86	3.8	3.8	9.4	20.5	43.1	11.2	1.3	1.3	5.8	555	22.4
77 TO 81	5.4	4.3	7.4	14.7	41.3	13.6	1.8	.9	10.5	552	22.3
72 TO 76	6.9	4.5	9.6	13.1	26.9	14.6	1.2	1.5	21.8	335	13.5
67 TO 71	11.1	11.1	14.8	7.4	3.7	9.3	1.9	7.4	33.3	54	2.2
62 TO 66	40.0		20.0						40.0	5	.2
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 A. LWR											
TOTALS	4.6	4.0	9.0	18.9	41.1	10.6	1.5	1.1	9.3	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

TALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106								100.0		1	.0
97 TO 101	5.4		10.3	10.3	40.5	21.6			10.9	37	1.5
92 TO 96	1.4	4.9	9.7	17.2	44.1	13.8	.7	2.1	6.2	145	6.0
87 TO 91	5.9	6.6	11.7	26.6	37.5	3.1	.8	1.6	6.3	256	10.7
82 TO 86	8.1	6.8	12.2	17.7	37.1	9.6	.3	1.9	6.5	385	16.0
77 TO 81	8.4	9.2	9.8	17.0	37.0	6.3	.4	1.4	10.4	489	20.4
72 TO 76	16.8	7.9	8.9	15.8	22.9	7.9	.8	2.2	16.6	506	21.1
67 TO 71	28.1	17.4	9.6	8.9	12.8	.7	2.1	4.3	16.0	281	11.7
62 TO 66	33.1	11.3	6.6	4.0	9.3	3.3	1.3	8.6	20.5	151	6.3
57 TO 61	44.1	18.6	5.9	2.0	3.9	2.0	5.9	5.9	11.8	102	4.3
52 TO 56	22.2	13.9	5.6		5.6	2.8		13.9	36.1	36	1.5
47 TO 51	18.2	9.1			9.1	18.2			45.5	11	.5
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	15.0	9.4	9.8	15.0	28.0	6.5	1.0	2.9	12.3	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION  
77001

TALLAS, TX

JANUARY 1973-DECEMBER 1982

MONTH  
OCTOBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101						33.3	66.7			3	.1
92 TO 96	10.5		10.5		52.6	15.8	10.5			10	.8
87 TO 91	6.6	1.6	4.9	16.4	39.3	16.4	3.3	3.3	8.2	61	2.5
82 TO 86	3.5	4.1	5.9	11.8	54.7	10.6	3.5	1.2	4.7	170	6.9
77 TO 81	5.3	2.5	6.3	21.7	45.3	6.9	3.5	1.9	6.6	318	12.8
72 TO 76	7.9	5.8	7.1	15.0	47.2	7.1	1.8	3.1	5.0	381	15.4
67 TO 71	10.3	7.0	7.7	14.5	36.4	11.2	1.4	2.8	8.9	429	17.3
62 TO 66	15.1	5.7	6.7	14.3	23.0	8.9	1.0	5.9	19.5	405	16.3
57 TO 61	20.8	6.4	7.8	9.2	12.4	9.2	3.5	9.9	20.8	283	11.4
52 TO 56	23.2	7.7	2.9	4.8	10.1	13.0	3.9	8.2	26.1	207	8.3
47 TO 51	30.3	10.9	5.0	3.4	2.5	5.9	4.2	6.7	31.1	119	4.8
42 TO 46	27.9	7.4	7.4		1.5	14.7	5.9	4.4	30.9	64	2.7
37 TO 41	6.7				13.3	26.7		13.3	40.0	15	.6
32 TO 36									100.0	1	.0
27 TO 31									100.0	1	.0
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 TO -55											
TOTALS	13.2	5.3	6.5	12.7	30.7	9.6	2.7	4.7	14.1	288	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

NOVEMBER

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91									100.0	1	0.0
82 TO 86	4.3			13.0	34.8	30.4	8.7		8.7	23	1.0
77 TO 81	2.7	1.4	1.4	9.5	51.4	12.2	5.4	4.1	12.2	74	3.1
72 TO 76	6.7		1.2	10.4	62.8	7.9	4.9	1.5	4.3	164	6.8
67 TO 71	4.9	2.3	3.4	12.0	52.6	9.4	3.8	5.3	6.4	266	11.1
62 TO 66	10.2	3.3	3.9	11.8	39.8	11.5	4.6	5.6	9.2	304	12.7
57 TO 61	15.1	4.9	4.0	12.0	29.7	8.6	4.6	7.4	13.7	350	14.6
52 TO 56	17.5	6.8	7.3	11.8	19.2	7.0	3.4	11.0	16.1	355	14.8
47 TO 51	27.5	6.9	6.9	5.7	16.6	8.3	2.9	11.2	14.0	340	14.5
42 TO 46	30.4	7.8	3.1	2.7	7.0	6.6	5.1	17.9	19.5	257	10.7
37 TO 41	12.2	3.4		1.4	1.4	8.9	4.1	22.6	26.0	146	6.1
32 TO 36	53.3	5.3	2.7	1.3	2.7	12.1	6.7	13.3	22.7	75	3.1
27 TO 31	26.9					30.9		26.9	15.4	26	1.1
22 TO 26	25.0					25.0		37.5	12.5	3	.3
17 TO 21						100.0				1	.0
12 TO 16						100.0				1	.0
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 TO -55											
TOTALS	17.8	4.6	4.1	8.7	27.6	9.3	4.2	10.0	13.7	2400	100.0

NAVWEASERVCOM



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION

ALLAS, Tx

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

DECEMBER

MONTH

HOURS PER MONTH

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	NNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91							100.0			1	.0
82 TO 86						100.0				3	.1
77 TO 81					46.2	38.9	7.7	7.7		13	.5
72 TO 76	0.1				37.4	23.4	12.8	4.3		47	1.9
67 TO 71	2.0			5.0	55.0	21.0	9.0	5.0	3.0	100	4.0
62 TO 66	4.3	.5	1.0	3.4	64.9	11.1	7.7	4.8	2.4	208	8.4
57 TO 61	10.1	2.0	4.0	8.1	42.3	10.9	7.3	5.6	8.9	243	10.0
52 TO 56	10.9	4.6	2.6	8.6	37.4	12.3	3.3	8.9	11.3	322	12.2
47 TO 51	16.0	3.4	5.2	10.3	26.0	9.8	6.4	11.9	11.1	389	15.7
42 TO 46	23.6	7.2	5.4	9.3	17.8	10.0	4.2	9.8	12.6	428	17.3
37 TO 41	28.6	3.8	4.7	7.6	9.6	8.7	5.2	14.9	16.9	343	13.8
32 TO 36	37.4	4.0	.4	4.4	6.2	12.3	2.2	15.4	17.6	227	9.2
27 TO 31	40.0	3.5		1.7	7.8	17.4	5.2	14.8	9.6	115	4.6
22 TO 26	42.2	8.9	2.2			15.6	2.2	20.0	8.9	45	1.8
17 TO 21	31.4					14.3			14.3	7	.3
12 TO 16	100.0									7	.1
7 TO 11											
2 TO 6											
1 TO 5											
12 TO 1											
11 TO 2											
10 TO 3											
9 TO 4											
8 TO 5											
7 TO 6											
6 TO 7											
5 TO 8											
4 TO 9											
3 TO 10											
2 TO 11											
1 TO 12											
12 TO 1											
11 TO 2											
10 TO 3											
9 TO 4											
8 TO 5											
7 TO 6											
6 TO 7											
5 TO 8											
4 TO 9											
3 TO 10											
2 TO 11											
1 TO 12											
TOTALS	14.7	3.9	7.3	7.1	27.2	11.6	5.4	17.5	11.1	247	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

ALL

MONTH

PERCENT TOTAL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111			22.2		33.3	22.2	11.1		11.1	0	0.0
102 TO 106	1.1		10.2	17.0	52.3	6.8	4.5	1.1	6.8	88	.3
97 TO 101	2.0	1.8	7.0	20.2	52.7	7.7	3.2	.5	4.8	447	1.5
92 TO 96	1.8	3.0	6.5	16.6	57.3	8.3	1.8	1.2	3.5	1174	4.0
87 TO 91	4.2	3.7	8.2	20.0	47.3	8.3	2.2	1.9	4.3	1750	6.0
82 TO 86	4.3	4.0	7.7	16.4	48.9	10.6	1.9	1.5	4.7	2563	8.8
77 TO 81	5.4	4.2	6.6	15.0	46.2	17.7	2.2	2.0	7.8	3423	11.7
72 TO 76	8.2	4.8	6.7	14.6	40.8	10.4	2.5	2.7	9.6	3386	11.6
67 TO 71	10.4	5.9	6.9	12.5	38.1	8.9	3.3	5.1	9.9	2813	9.6
62 TO 66	13.2	5.1	6.3	11.9	33.6	9.7	3.5	6.4	10.9	2488	8.5
57 TO 61	17.2	6.6	5.4	10.2	27.2	9.3	4.7	7.5	11.8	2247	7.7
52 TO 56	17.2	6.3	6.1	9.3	23.3	9.9	4.2	10.2	13.4	2042	7.0
47 TO 51	21.0	5.8	6.5	8.3	17.9	9.3	5.3	12.8	13.1	1856	6.4
42 TO 46	25.5	7.8	5.8	7.3	14.1	8.1	4.3	12.7	14.8	1634	5.6
37 TO 41	25.5	6.2	5.6	6.2	11.8	8.5	4.2	15.2	16.6	1352	4.6
32 TO 36	32.2	10.2	4.3	5.2	7.8	8.7	2.5	13.2	15.9	957	3.3
27 TO 31	40.3	7.1	6.1	3.6	5.9	10.5	2.1	13.5	10.9	561	1.9
22 TO 26	50.9	6.2	1.7	1.4	5.9	5.9	1.4	17.0	9.7	289	1.0
17 TO 21	50.6	6.7	1.0	1.0	3.8	4.8	1.9	10.6	9.6	104	.4
12 TO 16	35.7	2.4		2.4		14.3		35.7	9.5	42	.1
7 TO 11	57.1							14.3	25.6	7	.0
2 TO 6					100.0					1	.0
1 TO 1											
0 TO 0											
12 TO 14											
14 TO 16											
16 TO 18											
18 TO 20											
20 TO 22											
22 TO 24											
24 TO 26											
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84 TO 86											
86 TO 88											
88 TO 90											
90 TO 92											
92 TO 94											
94 TO 96											
96 TO 98											
98 TO 100											
TOTALS	13.5	5.4	6.5	12.2	33.7	9.4	3.2	6.2	9.9	29217	100.0

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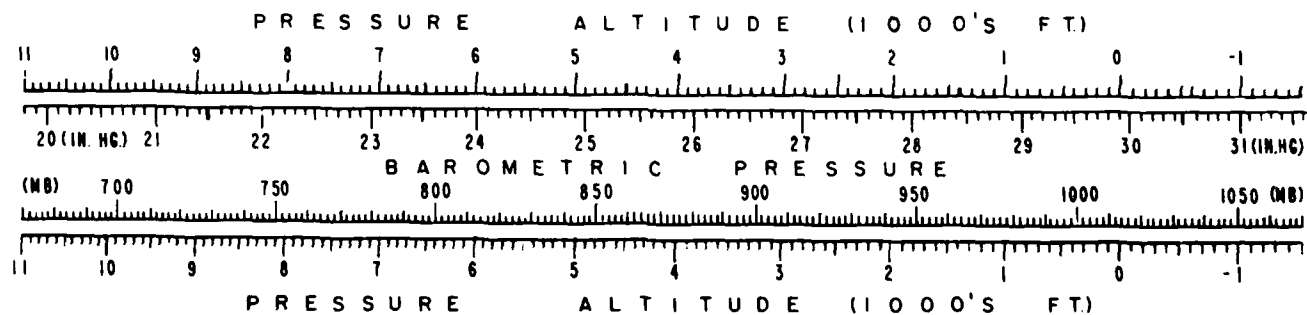
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

93601 DALLAS, TX

73-92

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN S. D. TOTAL OBS	1021.3 8.148 310	1020.1 7.849 282	1014.8 7.128 310	1014.9 6.006 300	1012.2 4.950 310	1013.5 3.961 299	1014.7 2.534 309	1015.0 2.560 310	1015.2 4.173 300	1017.6 5.580 310	1019.2 6.878 300	1019.9 7.899 310	1016.5 6.578 3650	
01	MEAN S. D. TOTAL OBS	1021.0 8.337 310	1019.8 7.914 282	1014.5 7.150 310	1014.6 6.139 300	1011.9 4.992 310	1013.3 4.054 299	1014.6 2.582 310	1014.9 2.545 310	1015.1 4.176 300	1017.5 5.628 310	1019.0 6.923 300	1019.7 7.992 310	1016.3 6.641 3651	
02	MEAN S. D. TOTAL OBS	1021.2 8.349 310	1020.2 7.815 282	1015.1 7.243 310	1015.3 6.260 300	1012.7 4.988 310	1014.2 4.016 299	1015.4 2.623 310	1015.7 2.575 310	1015.8 4.184 300	1018.3 5.727 310	1019.4 6.995 300	1019.7 8.155 310	1016.9 6.558 3651	
03	MEAN S. D. TOTAL OBS	1022.6 8.403 310	1021.5 7.956 282	1016.4 7.379 310	1016.4 6.309 300	1013.8 5.068 309	1015.2 4.112 300	1016.4 2.628 310	1016.7 2.579 310	1016.9 4.256 300	1019.6 5.844 310	1020.8 7.046 300	1021.1 8.255 310	1014.1 6.713 3651	
04	MEAN S. D. TOTAL OBS	1022.3 8.330 310	1021.2 8.002 282	1016.0 7.337 310	1015.9 6.355 300	1013.2 5.046 310	1014.7 4.026 300	1015.8 2.594 310	1016.1 2.629 310	1016.3 4.251 300	1018.8 5.790 310	1020.0 7.133 300	1020.5 8.297 310	1017.5 6.726 3652	
05	MEAN S. D. TOTAL OBS	1019.8 8.304 310	1018.8 7.833 282	1013.6 7.225 310	1013.9 6.263 300	1011.5 4.969 310	1012.9 4.009 300	1014.0 2.599 310	1014.0 2.610 310	1014.1 4.306 300	1016.5 5.734 310	1017.8 7.116 300	1018.3 8.194 310	1015.4 6.591 3652	
06	MEAN S. D. TOTAL OBS	1020.1 8.194 310	1018.7 7.745 282	1013.1 7.214 310	1013.1 6.177 300	1010.6 4.874 310	1011.8 3.975 300	1013.0 2.570 310	1013.1 2.621 310	1013.8 4.291 300	1016.4 5.702 310	1018.0 6.998 300	1018.6 7.920 309	1015.0 6.710 3651	
07	MEAN S. D. TOTAL OBS	1021.0 8.303 310	1019.7 7.641 282	1014.3 7.162 310	1014.4 6.051 300	1011.7 4.802 310	1012.7 4.047 299	1013.9 2.552 310	1014.3 2.644 310	1015.0 4.242 300	1017.5 5.660 310	1019.0 6.992 300	1019.7 7.806 309	1016.1 6.663 3650	
ALL HOURS	MEAN S. D. TOTAL OBS	1021.2 8.333 2480	1020.0 7.890 2256	1014.7 7.296 2480	1014.8 6.266 2400	1012.2 5.046 2479	1013.5 4.151 2396	1014.7 2.788 2479	1015.0 2.819 2480	1015.3 4.342 2400	1017.8 5.790 2480	1019.1 7.061 2400	1019.7 8.100 2478	1016.5 6.721 29208	

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# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

97901 DALLAS, TX

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN	29.642	29.610	29.464	29.472	29.397	29.437	29.473	29.481	29.486	29.550	29.589	29.674	29.517	
	S. D.	.232	.222	.204	.173	.143	.117	.075	.076	.119	.159	.196	.226	.186	
	TOTAL OBS	310	282	310	300	310	299	309	310	300	310	300	310	3650	
07	MEAN	29.634	29.670	29.454	29.461	29.387	29.430	29.470	29.479	29.481	29.547	29.583	29.598	29.510	
	S. D.	.237	.224	.205	.176	.144	.119	.076	.076	.119	.161	.197	.229	.188	
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651	
14	MEAN	29.637	29.611	29.470	29.479	29.408	29.456	29.494	29.501	29.500	29.568	29.594	29.598	29.526	
	S. D.	.237	.222	.207	.180	.144	.118	.077	.076	.120	.164	.199	.233	.197	
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651	
21	MEAN	29.677	29.650	29.509	29.513	29.440	29.485	29.522	29.530	29.534	29.605	29.633	29.637	29.561	
	S. D.	.240	.226	.211	.181	.147	.119	.079	.076	.121	.166	.201	.236	.190	
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651	
28	MEAN	29.671	29.643	29.496	29.499	29.424	29.470	29.507	29.513	29.516	29.583	29.612	29.621	29.546	
	S. D.	.238	.227	.210	.183	.146	.118	.076	.078	.122	.166	.204	.237	.191	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
35	MEAN	29.600	29.573	29.427	29.442	29.375	29.420	29.454	29.453	29.454	29.518	29.548	29.557	29.485	
	S. D.	.237	.222	.207	.180	.144	.118	.076	.077	.124	.165	.203	.234	.197	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
42	MEAN	29.676	29.569	29.412	29.417	29.347	29.386	29.423	29.425	29.442	29.512	29.551	29.566	29.471	
	S. D.	.234	.220	.206	.177	.140	.117	.076	.077	.123	.163	.200	.226	.190	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
49	MEAN	29.632	29.598	29.448	29.455	29.380	29.414	29.450	29.460	29.478	29.545	29.581	29.597	29.503	
	S. D.	.237	.216	.205	.174	.139	.119	.076	.079	.121	.162	.200	.223	.188	
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	309	3650	
ALL HOURS	MEAN	29.637	29.607	29.460	29.467	29.395	29.437	29.474	29.480	29.486	29.554	29.586	29.597	29.515	
	S. D.	.237	.224	.209	.180	.146	.122	.082	.083	.124	.166	.202	.232	.190	
	TOTAL OBS	2480	2256	2480	2400	2479	2396	2479	2480	2400	2480	2400	2478	29208	

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